

**MONOGRAPH
OF
COMMISSION ACTION**

2004 ANNUAL CODE ADOPTION CYCLE

Note: The Commission will meet on May 17, 2006 at 10:00 AM to ratify their actions of the March 22 and 23, 2006 meeting. The meeting will be held at the Department of Consumer Affairs, 1625 North Market Blvd., Suite 120, Sacramento, CA 95834

VOLUME III OF IV

**Stanley T. Nishimura, Executive Director
California Building Standards Commission
2525 Natomas Park Drive, Suite 130
Sacramento, CA 95833
(916) 263-0916**

March 2006

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Preface

California Building Standards Law (Health and Safety Code §18929.1) requires state agencies that propose building standards for adoption in, amendment to, or repeal from the California Building Standards Code (Title 24, California Code of Regulations) to submit the proposed building standards for consideration in an annual code adoption cycle. Building standards law also requires proposed building standards to undergo a technical review by the Code Advisory Committees appointed by the Commission, and to be noticed in accordance with administrative requirements of the California Building Standards Law and the Administrative Procedures Act prior to the Commission taking action.

This document shows the action of the California Building Standards Commission on proposed code changes submitted for the 2004 Annual Code Adoption Cycle.

Code changes originally proposed by the state agencies were published in the "Monograph of Code Change Submittals for 2004", May 2005, which made available to the public for comments. In January and February 2005, the Code Advisory Committees reviewed the proposed code changes, considered public comments, and suggested recommendations to the proposed code changes. The recommendations of the Code Advisory Committees and the proposed code changes were made available to the public in the "Monograph of Code Change Submittals for 2004 Annual Code Adoption Cycle," May 2005, in accordance with the Administrative Procedures Act. In October 2005, the "Monograph of Public Comments" was made available to the public prior to the Commission taking action on each proposed code change.

This monograph represents the final actions of the Commission at the March 22, & 23, 2006 meeting for each proposed code change submitted for the 2004 Annual Code Adoption Cycle.

The Commission regarding any item as printed herein this monograph will hear no new comments or challenges at the March 22 & 23, 2006 meeting.

NOTE: The meeting facilities and restrooms are accessible to persons with disabilities. Requests for the following accommodations will be provided by the California Building Standards Commission by calling Michael Nearman at (916) 263-0916:

- Assistive Listening Devices
- Sign Language Interpreters
- Captioning

Requests are to be made no later than 10 working days prior to the day of the meeting. If Paratransit services are needed, they may be contacted at (916) 363-0661.

Metered parking is available on the street and at various off street parking lots around the Department of Health Services, 1500 Capitol Avenue, Sacramento, CA. 95814. The closest parking is located at 15th and L Streets.

For more information regarding the cycle process please visit the California Building Standards Commission web site at: www.bsc.ca.gov.

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MARCH 2006

***Commission Action Monograph
California Code of Regulations
Title 24
(Submittals for 2004 Annual Cycle)***

NOTE: In order to follow the proposed revisions through the code change cycle, it is important to retain parts 1, 2, 3, 4, 5, 9, & 12 of the California Building Standards Code.

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State of California
California Building Standards Commission
2525 Natomas Park Drive, Suite 130, Sacramento, CA 95833 – 2936

Suggested Revisions to the California Building Standards Code

Part 1 – California Administrative Code

Part 2 – California Building Code

Part 3 – California Electrical Code

Part 4 – California Mechanical Code

Part 5 – California Plumbing Code

Part 9 – California Fire Code

Part 12 – California Referenced Standards Code

Submittals for 2004 Annual Code Adoption Cycle

OPEN MEETING – WHERE AND WHEN

The "COMMISSION ACTIONS" contained within this monograph will be ratified by the California Building Standards Commission at a public meeting to be held as indicated below:

California Building Standards Commission

When	Where
Wednesday – May 17, 2006 10:00 AM	Department of Consumer Affairs 1625 North Market Blvd., Suite 120 Sacramento, CA 95834

PRESENTATION FORMAT OF CODE CHANGES

Each proposed code change is identified by "ITEM #." Each proposed code change retains the same item number until the end of the annual cycle (Approval CBSC Meeting). The item number assist persons in following this process from the beginning to the end. The format of each item is as follows:

STATE AGENCY CODE CHANGE SUBMITTAL:

This monograph contains the final adopted code change for each item number. New or amended regulations are shown as underlined. Repealed regulations are shown in strikeout.

Legend of Proposing or Adopting State Agencies

CBSC -	California Building Standards Commission -- Thomas L. Morrison.....	(916) 263-0916
HCD -	Department of Housing and Community Development -- Chris Anderson.....	(916) 445-9471
DSA/AC -	Division of the State Architect -- Access Compliance Michael Mankin.....	(916) 445-5827
DSA/SS -	Division of the State Architect -- Structural Safety Richard Conrad	(916) 445-8100
OSHPD -	Office of Statewide Health Planning & Development -- Sue Botelho	(916) 654-2012
SFM -	State Fire Marshal -- Kevin Reinertson.....	(916) 445-8200

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2004 ANNUAL CODE CYCLE
SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION

ITEM NUMBER 9: HCD 4/04 Part 3, 2004 CEC, Article 4	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEM 9-1	HCD 4/04 Article 404.8 (C) Switches—Installation Height	X				NO COMMENT					APPROVE	X								
SUB-ITEM 9-2	HCD 4/04 Article 406.3 (G) (2) and (3) Receptacles— Installation Heights	X				NO COMMENT					APPROVE	X								

ITEM NUMBER 10: OSHDP 3/04 Part 3, 2004 CEC, Articles 89 and 517	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEM 10-1	OSHDP 3/04 Article 89.7 Application, OSHDP 1 and 2	X				NO COMMENT					APPROVE	X								
SUB-ITEM 10-2	OSHDP 3/04 Article 517.33 (A) (11) Alarm systems for monitoring	X				NO COMMENT					APPROVE	X								

ITEM NUMBER 11: BSC 2/04 Part 4, 2003 Uniform Mechanical Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEM 11-1	BSC 2/04 Matrix Tables – 2003 Uniform Mechanical Code	X				NO COMMENT					APPROVE	X								

2004 ANNUAL CODE CYCLE																				
SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																				
ITEM NUMBER 12: OSHPD 4/04 Part 4, 2003 Uniform Mechanical Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEM 12-1	OSHPD 4/04 Chapter 1 – General	X				NO COMMENT					APPROVE	X								
SUB-ITEM 12-2	OSHPD 4/04 Chapter 2 – Definitions	X				NO COMMENT					APPROVE	X								
SUB-ITEM 12-3	OSHPD 4/04 Chapter 3 – General Requirements			X		COMMENT #1 Kurt A. Schaefer, P.E., Deputy Director, OSHPD Requests: Approve as Amended	X				APPROVE	X								
SUB-ITEM 12-4	OSHPD 4/04 Chapter 4 – Ventilation – Air Supply – Section 407.4.1.3	X				NO COMMENT					APPROVE AS RESUBMITTED	X								
SUB-ITEM 12-5	OSHPD 4/04 Chapter 4 – Section 408.1.5	X				NO COMMENT					APPROVE	X								
SUB-ITEM 12-6	OSHPD 4/04 Chapter 5 – Exhaust Systems	X				NO COMMENT					APPROVE	X								
SUB-ITEM 12-7	OSHPD 4/04 Chapter 6 – Duct Systems – Section 602.1	X				NO COMMENT					APPROVE AS RESUBMITTED	X								
SUB-ITEM 12-8	OSHPD 4/04 Chapter 6 – Ventilating Ceilings – Section 607.0	X				NO COMMENT					APPROVE	X								
SUB-ITEM 12-9	OSHPD 4/04 Chapter 7 – Combustion Air	X				NO COMMENT					APPROVE	X								
SUB-ITEM 12-10	OSHPD 4/04 Chapter 8 – Chimneys and Vents	X				NO COMMENT					APPROVE	X								

2004 ANNUAL CODE CYCLE SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																				
ITEM NUMBER 12: OSHPD 4/04 Part 4, 2003 Uniform Mechanical Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEM 12-11	OSHPD 4/04 Chapter 9 – Installation of Specific Equipment	X				NO COMMENT					APPROVE	X								
SUB-ITEM 12-12	OSHPD 4/04 Chapter 10 – Steam and Hot-Water Boilers	X				NO COMMENT					APPROVE	X								
SUB-ITEM 12-13	OSHPD 4/04 Chapter 11 – Refrigeration	X				NO COMMENT					APPROVE	X								
SUB-ITEM 12-14	OSHPD 4/04 Chapters 12 through 17 and Appendix Chapters A through D Matrix Adoption Tables	X				NO COMMENT					Matrix Adoption Tables not reviewed by CAC									

2004 ANNUAL CODE CYCLE SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																					
ITEM NUMBER 13: SFM 1/04 Part 4, 2003 Uniform Mechanical Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G				
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F	
SUB-ITEM 13-1	SFM 1/04 Matrix Adoption Tables (Added Chapter 13)			X		NO COMMENT					APPROVE AS AMENDED <i>(Further Study Section 510.7.1.1, balance of sections approved)</i>		X			SFM DISAGREES WITH FURTHER STUDY	X				
SUB-ITEM 13-2	SFM 1/04 Chapter 1 – Administration	X				NO COMMENT					APPROVE AS RESUBMITTED	X									
SUB-ITEM 13-3	SFM 1/04 Chapter 3 – General Requirements	X				NO COMMENT					APPROVE	X									

2004 ANNUAL CODE CYCLE SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																				
ITEM NUMBER 13: SFM 1/04 Part 4, 2003 Uniform Mechanical Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEM 13-4	SFM 1/04 Chapter 5 – Exhaust Systems – Section 510.7	X				NO COMMENT					FURTHER STUDY		X			SFM DISAGREES WITH FURTHER STUDY	X			
SUB-ITEM 13-5	SFM 1/04 Chapter 5 – Section 510.7.5	X				NO COMMENT					APPROVE	X								
SUB-ITEM 13-6	SFM 1/04 Chapter 5 – Section 513.10	X				NO COMMENT					APPROVE	X								
SUB-ITEM 13-7	SFM 1/04 Chapter 6 – Duct Systems	X				NO COMMENT					APPROVE	X								
SUB-ITEM 13-8	SFM 1/04 Chapter 9 – Installation of Specific Equipment			X		NO COMMENT					APPROVE AS RESUBMITTED	X								

2004 ANNUAL CODE CYCLE SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																				
ITEM NUMBER 14: DSA SS 2/04 Part 4, 2003 Uniform Mechanical Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEM 14-1	DSA/SS 2/04 Chapter 1, Administration	X				NO COMMENT					APPROVE	X								
SUB-ITEM 14-2	DSA/SS 2/04 Chapters 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, and Appendices A, C, and D	X				NO COMMENT					APPROVE	X								

2004 ANNUAL CODE CYCLE
SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION

ITEM NUMBER 15: HCD 2/04 Part 4, 2003 Uniform Mechanical Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEM 15-1	HCD 2/04 Matrix Tables 2003 Uniform Mechanical Code (Adopted Chapter 13)			X		NO COMMENT					APPROVE	X								
SUB-ITEM 15-2	HCD 2/04 Chapter 1, Administration	X				NO COMMENT					APPROVE AS RESUBMITTED	X								
SUB-ITEM 15-3	HCD 2/04 105.5.3 <i>Notwithstanding other...</i>	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-4	HCD2/04 106.2 <i>Local Variances</i>	X				NO COMMENT					APPROVE AS RESUBMITTED	X								
SUB-ITEM 15-5	HCD 2/04 108.1.1 <i>Vesting Authority</i>	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-6	HCD 2/04 108.1.1.8.1 <i>Application- Hotels...</i>	X				NO COMMENT					APPROVE AS RESUBMITTED	X								
SUB-ITEM 15-7	HCD 2/04 108.1.1.8.2 <i>Application-</i>	X				NO COMMENT					APPROVE AS RESUBMITTED	X								
SUB-ITEM 15-8	HCD 2/04 108.1.1.9 <i>Application- Permanent...</i>	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-9	HCD 2/04 108.3.1.3 <i>Limitations on Authority to Enter</i>	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-10	HCD 2/04 108.10 <i>AUTHORITY OF CITY ...</i>	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-11	HCD 2/04 114.2.1.1 <i>Retention of Plans</i>	X				NO COMMENT					APPROVE	X								

2004 ANNUAL CODE CYCLE
SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION

ITEM NUMBER 15: HCD 2/04 Part 4, 2003 Uniform Mechanical Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEM 15-12	HCD 2/04 115.1.1 Fees	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-13	HCD 2/04 Chapter 2 – Definitions	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-14	HCD 2/04 Chapter 3 – General Requirements	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-15	HCD 2/04 Chapter 4 – Ventilation Air Supply	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-16	HCD 2/04 Chapter 6 – Duct Systems	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-17	HCD 2/04 Chapter 7 – Combustion Air	X				NO COMMENT					APPROVE	X								
SUB-ITEM 15-18	HCD 2/04 Chapter 9 – Installation of Specific Equipment			X		NO COMMENT					APPROVE AS AMENDED			X		HCD DISAGREES WITH AMEND		X		
SUB-ITEM 15-19	HCD 2/04 Chapter 10, 11, 12, 13, 14, 15	X				COMMENT #1 Richard D. Nelson T-DRILL Industries, Inc. Requests: Approve	X				APPROVE	X								

2004 ANNUAL CODE CYCLE SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																						
ITEM NUMBER 16: BSC 3/04 Part 5, 2003 Uniform Plumbing Code	ITEM DESCRIP-TION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G					
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F		
SUB-ITEMS 16-1 – 16-5	BSC 3/04 INCOMPLETE																					

2004 ANNUAL CODE CYCLE SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
ITEM NUMBER 17: OSHPD 5.04 Part 5, 2003 Uniform Plumbing Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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SUB-ITEMS 17-1 – 17-12	OSHPD 5/04 WITHDRAWN BY OSHPD Amend Chapter 1, Administration, of the 2001 California Building Code, §101.4.1.4.2			X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						

2004 ANNUAL CODE CYCLE																				
SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																				
ITEM NUMBER 18: SFM 2/04 Part 5, 2003 Uniform Plumbing Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEMS 18-1 – 18-5	SFM 2/04 WITHDRAWN BY SFM																			

2004 ANNUAL CODE CYCLE SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																				
ITEM NUMBER 19: DSA SS 3/04 Part 5, 2003 Uniform Plumbing Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEMS 19-1 – 19-9	DSA/SS 3/04 INCOMPLETE																			

2004 ANNUAL CODE CYCLE SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																				
ITEM NUMBER 20: HCD 1/04 Part 5, 2003 Uniform Plumbing Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G			
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F
SUB-ITEMS 20-1 – 20-36	WITHDRAWN BY HCD																			

2004 ANNUAL CODE CYCLE																												
SUMMARY OF CALIFORNIA BUILDING STANDARDS COMMISSION ACTION																												
ITEM NUMBER 21: DSA AC 3/04 Part 5, 2003 Uniform Plumbing Code	ITEM DESCRIPTION	CBSC FINAL ACTION TO ITEM				CHALLENGE(S) TO PROPOSED CODE CHANGE AS NOTICED DURING 45 DAY COMMENT PERIOD	CBSC ACTION TO 45 DAY CHALL'G				PLUMBING, ELECTRICAL, MECHANICAL, & ENERGY CAC RECOMMENDATION TO ITEM	CBSC ACTION ON CAC RECOM'D				CHALLENGE TO THE CAC RECOMMEN- DATION	CBSC ACTION ON CAC CHALL'G											
		A	D	A	F		A	D	A	F		A	D	A	F		A	D	A	F								
SUB-ITEMS 21-1 – 21-5	DSA/AC 3/04 WITHDRAWN BY DSA AC																											

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Part 3

California Electrical Code

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EXPRESS TERMS

ITEM 9-1
HCD 04/04
Part 3
Chapter 4, Sections 404.8 and 406.3

APPROVED

CHAPTER 4: Equipment for General Use, Articles 400-490.

The Department is proposing the repeal of Sections 404.8(C), 406.3(G) and to repeal the California amendment to Section 406.3 of Chapter 4.

ARTICLE 404 Switches

~~404.8(C) [HCD 1/AC]—Installation Height~~

~~(C) [For HCD 1/AC] Installation Height.~~

~~(1) [For HCD 1/AC] Where access for people with physical disabilities is required by Article 80.7, the center of the grip of the operating handle of controls or switches intended to be used by the occupant of the room or area to control lighting and receptacle outlets, appliances or cooling, heating and ventilating equipment, shall be not more than 48 inches (1219 mm) above the finished floor or working platform.~~

~~(2) [For HCD 1/AC] When access for people with physical disabilities is required in covered multifamily dwellings units, light switches, thermostats and other environmental controls, shall be located no higher than 48 inches (1219 mm), and no lower than 15 inches (381 mm), above the finished floor measured to the center of the grip. If the reach is over an obstruction (for example, a kitchen base cabinet) between 20 and 25 inches (508 and 635 mm) in depth, the maximum height is reduced to 44 inches (1118 mm) for forward approach, or 46 inches (1168 mm) for side approach, provided the obstruction is no more than 24 inches (610 mm) in depth. Obstructions shall not extend more than 25 inches (635 mm) from the wall beneath a control. Controls that do not satisfy these specifications are acceptable provided that comparable controls or outlets, that perform the same functions, are provided within the same area and are accessible.~~

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922 and 19990, and Government Code section 12955.1

Reference: Health and Safety Code sections 17000-17060, 17910-179900 and 19960-19997, and Government Code section 12955.1

* * *

(END OF ITEM)

ITEM 9-2
HCD 04/04
Part 3
Chapter 4

APPROVED

ARTICLE 406 Receptacles, Cord Connectors, and Attachment Plugs (Caps)

406.3 General Installation Requirements.

Receptacle outlets shall be located in branch circuits in accordance with Part III of Article 210. General installation requirements shall be in accordance with 406.3(A) through (F). ~~[For HCD 1/AC] General installation requirements shall be in accordance with 406.3(A) through (G).~~

~~406.3(G) [HCD 1/AC]—Installation Heights.~~

~~406.3(G) [HCD 1/AC]—Installation Heights.~~

~~(1) [HCD 1/AC w/exceptions 1, 2, and 3] Where access for people with physical disabilities is required by Article 80.7, receptacle outlets on branch circuits of 30 amperes or less shall be installed in an outlet box located not more than 48 inches (1219 mm) measured from the top of the receptacle outlet box nor less than 15 inches (381 mm) measured from the bottom of the receptacle outlet box above the finished floor or working platform.~~

~~Exception No. 1: Receptacle outlets installed as part of permanently installed baseboard heaters are exempt.~~

~~Exception No. 2: Required receptacle outlets shall be permitted in floors when adjacent to sliding panels or walls.~~

~~Exception No. 3: Baseboard electrical outlets used in relocatable partitions, window walls or other electrical convenience floor outlets are not subject to the minimum height requirements.~~

~~(2) [For HCD 1/AC] When access for persons with physical disabilities is required in covered multifamily dwellings, receptacle outlets on branch circuits of 30 amperes or less shall be located in an outlet box located no more than 48 inches (1219 mm) measured from the top of the receptacle outlet box nor less than 15 inches (381 mm) measured from the bottom of the receptacle outlet box above the finished floor or working platform. If the reach is over an obstruction (for example, a kitchen base cabinet) between 20 and 25 inches in depth, the maximum height measured at the box is reduced to 44 inches for forward approach, or 46 inches for side approach, provided the obstruction is no more than 24 inches in depth. Obstructions shall not extend more than 25 inches from the wall beneath the receptacle.~~

~~Outlets that do not satisfy these specifications are acceptable provided that comparable outlets, that perform the same functions, are provided within the same area and are accessible.~~

Note:

Authority: Health and Safety Code sections 17040, 17921, 17922 and 19990, and Government Code section 12955.1

Reference: Health and Safety Code sections 17000-17060, 17910-179900 and 19960-19997, and Government Code section 12955.1

* * *

(END OF ITEM)

EXPRESS TERMS

ITEM 10-1

OSHPD 03/04

Part 3, Sub-items 10-1 and 10-2

Articles 89.7 and 517.33

APPROVED

ARTICLE 089—ADMINISTRATION

089-7. Application

7. OSHPD – Office of Statewide Health Planning and Development

A. OSHPD 1

Application – *General acute-care hospitals and acute psychiatric hospitals, excluding distinct part units or distinct part freestanding buildings providing skilled nursing or intermediate-care services. For structural Regulations: Skilled nursing facilities and/or intermediate-care facilities except those skilled nursing facilities and intermediate-care facilities of single story, Type V, wood or light steel-frame construction.*

...

NOTATION:

- Authority: Health and Safety Code Sections 129850
- Reference: Health and Safety Code Sections 1275 and 129850

B. OSHPD 2

Application – *Skilled nursing facilities and intermediate-care facilities, including distinct part skilled nursing and intermediate-care services on a general acute-care or acute psychiatric hospital license, provided either in a separate unit or a freestanding building. For Structural Regulations: Single-story, Type V skilled nursing facility and/or intermediate-care facilities utilizing wood or light steel-frame construction.*

...

NOTATION:

- Authority: Health and Safety Code Sections 129850
- Reference: Health and Safety Code Sections 1275 and 129850

* * *

(END OF ITEM)

ITEM 10-2

OSHPD 03/04

Part 3

APPROVED

ARTICLE 517—HEALTH CARE FACILITIES

517.33_Critical Branch.

(A) Task Illumination and Selected Receptacles. The critical branch of the emergency system shall supply power for task illumination, fixed equipment, selected receptacles, and special power circuits serving the following areas and functions related to patient care:

...

(9) Additional task illumination, receptacles, and selected power circuits needed for effective hospital operation. Single-phase fractional horsepower motors shall be permitted to be connected to the critical branch. [NFPA 99, 3.4.2.2.2(c)]

(10) [For OSHPD 1, 2, 3, & 4] Sensor-operated fixtures when used to comply with Table 4-2, California Plumbing Code.

(11) [For OSHPD 1 & 4] Alarm systems for monitoring negative pressure isolation rooms and positive pressure isolation rooms.

(b) Subdivision of the Critical Branch. It shall ...

NOTATION:

- Authority: Health and Safety Code Sections 129850
- Reference: Health and Safety Code Sections 1275, 129790 and 129850

* * *

(END OF ITEM)

Part 4

California Mechanical

Code

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EXPRESS TERMS

ITEM 11-1

BSC 02/04

Part 4, Chapters 1 through 14 & 16, Appendix A, C, & D

APPROVED

The California Building Standards Commission proposes to adopt the 2003 edition of the Uniform Mechanical Code (UMC) of the International Association of Plumbing and Mechanical Officials (IAPMO) for codification and effectiveness in the 2004 edition of the California Mechanical Code (CMC) as presented on the following pages. The California Building Standards Commission further proposes to repeal the California Mechanical Code, the 2000 edition of the Uniform Mechanical Code of the International Conference of Building Officials, as presented on the following pages.

Adopt the following articles for Chapter 1 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

CHAPTER 1

ADMINISTRATION

MATRIX ADOPTION TABLE

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 1 and Adopt entire 2003 UMC Chapter without amendments		
Repeal entire 2000 UMC Chapter 1 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below	X	
101.0 CA	X	
102.0 CA	X	
103.1 CA	X	
103.1.1.1 CA	X	
103.1.5 CA	X	
104.6 CA	X	
105.2 CA	X	
108.1.1.3 CA	X	
119 CA	X	
120 CA	X	
121.1 CA	X	

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Amendments for chapter 1 are as follows:

101.0 Title

These regulations shall be known as the "*California Mechanical Code*", which incorporates the 2003 revisions, copyrighted by the International Association of Plumbing & Mechanical Officials, to the Uniform Mechanical Code, may be cited as such, and will be referred to herein as "this code."

102.0 Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

103.0 Purpose

The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of heating, ventilating, cooling, refrigeration systems, incinerators and other miscellaneous heat-producing appliances within this jurisdiction. **[For BSC]** *for the State of California and the local enforcement agencies.*

The purpose of this code is not to create or otherwise establish or designate any particular class or group of persons who will or should be especially protected or benefited by the terms of this code.

103.0 Scope

103.1 Applicability. The provisions of this code shall apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of any heating, ventilating, cooling, refrigeration systems, incinerators or other miscellaneous heat-producing appliances within this jurisdiction. **[For BSC]** *for the State of California and the local enforcement agencies.*

103.1.1 Effective Date.

103.1.1.1 [For BSC] *Unless otherwise noted herein, effective date is 180 days after the date of publication.*

103.1.5 [For BSC] Non-Building Regulations. *Requirements contained in the UMC, or in any other reference standard code, or documents, which are not buildings standards as defined in Health and Safety Code Section 18909, shall not be construed as part of the provisions of this code.*

For the applicability of regulations related to maintenance, operation, use, limitations or prohibitions, and similar nonbuilding regulations, see other titles of the California Code of Regulations.

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

~~**104.6 Non-building Regulations.** *Requirements contained in the UMC, or any other referenced standard, code or document, which are not building standards as defined in section 18909, Health and Safety Code, shall not be construed as part of the provisions of this code.*~~
~~*For the applicability of regulations related to maintenance, operation, use, limitations or prohibitions, and similar nonbuilding regulations, see other titles of the California Code of Regulations.*~~

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

105.2 [For BSC] Order of Precedence. *Where in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general and a specific requirement, the specific requirement shall apply.*

Mechanical standards in this code shall have no retroactive or retrospective effect or application on existing construction unless the term and time of application of such standards are specifically identified or specified in this code.

108.1.1 Application – Vesting authority. *When adopted by a state agency, the provisions of these regulations shall be enforced by the appropriate Administrative Authority, but only to the extent of authority granted to such agency by the state legislature.*

108.1.1.3 [For BSC]

BSC – California Building Standards Commission.

Application – State buildings (all occupancies), including buildings constructed by the Trustees of the CA State Universities and Colleges and the Regents of the University of CA where no state agency has the authority to adopt building standards applicable to such buildings.

Enforcing Agency – State or local agency specified by the applicable provisions of law.

Authority Cited – H&SC §3981 and §18934.5.

Reference – H&SC §18901 through 18949.6.

119.0 Format [For BSC] *This part fundamentally adopts the UMC by reference on a chapter-by-chapter basis. Such adoption is reflected in the adoption table of each chapter of this part. When the adoption table of a specific chapter of the UMC, such chapter of the UMC is not adopted as a portion of this code.*

120.0 Validity [For BSC]

If any chapter section, subsection, sentence, clause or phrase of this code is for any reason held to be unconstitutional, contrary to statute, exceeding the authority of the state as stipulated by statutes, or otherwise inoperative, such decision shall not affect the validity of the remaining portion of this code.

121.0 Standard Reference Documents

121.1 [For BSC] *The codes, standards and publications adopted and set forth in this code, including other codes, standards and publications referred to therein are, by title and date of publication, hereby adopted as standard reference documents of this code.*

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Chapter 2 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

CHAPTER 2

DEFINITIONS

MATRIX ADOPTION TABLE

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 2 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 2 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Chapter 3 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 3
GENERAL REQUIREMENTS
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 3 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 3 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2000 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Adopt the following articles for Chapter 4 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 4
VENTILATION - AIR SUPPLY
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 4 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 4 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Chapter 5 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 5
EXHAUST SYSTEMS
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 5 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 5 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Adopt the following articles for Chapter 6 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 6
DUCT SYSTEMS
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 6 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 6 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Chapter 7 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 7
COMBUSTION AIR
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 7 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 7 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Adopt the following articles for Chapter 8 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 8
CHIMNEYS AND VENTS
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 8 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 8 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Chapter 9 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 9
INSTALLATION OF SPECIFIC EQUIPMENT
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 9 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 9 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Adopt the following articles for Chapter 10 of the 2000 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 10
STEAM AND HOT WATER - BOILERS
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 10 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 10 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Chapter 11 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 11
REFRIGERATION
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 11 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 11 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Adopt the following articles for Chapter 12 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 12
HYDRONICS
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 12 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 12 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Chapter 13 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 13
FUEL PIPING
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 13 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 13 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Adopt the following articles for Chapter 14 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 14
PROCESS PIPING
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 14 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 14 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Chapter 16 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 16
STATIONARY FUEL CELL POWER PLANTS
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Chapter 16 and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Chapter 16 and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Adopt the following articles for Chapter 17 of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**CHAPTER 17
STANDARDS
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Adopt entire 2003 UMC Chapter 17 without amendments	X	
Adopt Entire 2003 UMC Chapter 17 as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Appendix A of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**APPENDIX A
UMC STANDARD 6-2, & 6-5
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Appendix A and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Appendix A and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Adopt the following articles for Appendix B of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**APPENDIX B
PROCEDURES TO BE FOLLOWED TO PLACE GAS EQUIPMENT IN OPERATION
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Appendix B and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Appendix B and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

Adopt the following articles for Appendix C of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**APPENDIX C
INSTALLATION AND TESTING OF OIL (LIQUID) FUEL-FIRED EQUIPMENT
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Appendix C and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Appendix C and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

Adopt the following articles for Appendix D of the 2003 UMC:

(UMC standards adopted by the Commission are applicable to all occupancies in California.)

**APPENDIX D
UNIT CONVERSION TABLES
MATRIX ADOPTION TABLE**

Adopting Agency	BSC	COMMENTS
Repeal entire 2000 UMC Appendix D and Adopt entire 2003 UMC Chapter without amendments	X	
Repeal entire 2000 UMC Appendix D and Adopt Entire 2003 UMC Chapter as amended ^{1,2,3} (amended sections listed below)		
Adopt Only those sections of the 2003 UMC which are listed below and/or Adopt Only those California promulgated sections ^{1,2,3} listed below		

Notation

Authority: Health & Safety Code Section 18934.5

Reference(s): Health & Safety Code, Division 13, Part 2.5, commencing with section 18901.

¹ New Amendments are shown underlined with "CA"

² Existing amendments of the 2001 California Mechanical Code being repealed are shown stricken with "CA"

³ Existing amendments being continued from the 2001 CMC into the 2004 CMC are shown italicized with "CA"

* * *

(END OF ITEM)

EXPRESS TERMS

ITEM 12-1
OSHDP 04/04
Part 4, Chapters 1,3,4,5,6,7,9, &11

APPROVED

Title 24, Part 4, California Mechanical Code

Chapter 1 - General

Adopt entire 2003 Uniform Mechanical Code (UMC) Chapter 1 and carry forward existing amendments of the 2001 California Mechanical Code (CMC) for OSHPD 1, 2, 3 & 4. Also, amend Section 108.1.1.12 as follows:

108.1.1.12 [for OSHPD] Office of Statewide Health Planning and Development

108.1.1.12.1 [for OSHPD 1]

Application – General acute-care hospitals and acute psychiatric hospitals, excluding distinct part units or distinct part freestanding buildings providing skilled nursing or intermediate-care services. For structural Regulations: Skilled nursing facilities and/or intermediate-care facilities except those skilled nursing facilities and intermediate-care facilities of single story, Type V, wood or light steel-frame construction.

108.1.1.12.2 [for OSHPD 2]

Application – Skilled nursing facilities and intermediate-care facilities, including distinct part skilled nursing and intermediate-care services on a general acute-care or acute psychiatric hospital license, provided either in a separate unit or a freestanding building. For Structural Regulations: Single-story, Type V skilled nursing facility and/or intermediate-care facilities utilizing wood or light steel-frame construction.

...

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1275 and 129850

* * *

(END OF ITEM)

ITEM 12-2
OSHDP 04/04
Part 4

APPROVED

Chapter 2 - Definitions

Adopt entire 2003 UMC Chapter 2 and carry forward existing amendments of the 2001 CMC for OSHPD 1, 2, 3 & 4.

* * *

(END OF ITEM)

ITEM 12-3
OSHDP 04/04
Part 4

APPROVED

Chapter 3 – General Requirements

Adopt entire 2003 UMC Chapter 3 and carry forward existing amendments of the 2001 CMC for OSHPD 1, 2, 3 & 4 with the following modifications:

SECTION 316.0 – ESSENTIAL MECHANICAL PROVISIONS [FOR OSHPD 1, 2, 3 & 4]

During periods of power outages emergency electrical power shall be provided for the following equipment:

316.1 *(Does not apply to OSHPD 3.) All heating equipment necessary to maintain a minimum temperature of 60°F (15.6°) in patient areas which are not specified in Table 315.*

316.2 All heating equipment necessary to maintain the minimum temperatures for sensitive areas as specified in Table 315.

316.3 Equipment necessary for humidification of the areas listed in Table 315.

316.4 All supply, return and exhaust fans required to maintain the positive and negative air balances as required in Table 4-A.

316.5 All control components and control systems necessary for the normal operation of equipment required to have emergency electrical power.

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226 and 129850

* * *

(END OF ITEM)

ITEM 12-4
OSHPD 04/04
Part 4

APPROVED

Chapter 4 – Ventilation-Air Supply

Adopt entire 2003 UMC Chapter 4 and carry forward existing amendments of 2001 CMC for OSHPD 1, 2, 3 & 4 with the following modifications:

407.4.1.3 Corridors shall not be used to convey supply, return or exhaust air to or from any room. If the corridor is required to be of fire resistive construction per the building code.

~~**EXCEPTION 1:** Small rooms [30 square feet (2.79 m²) or less] which are mechanically exhausted, such as bathrooms, toilet rooms and janitors' closets operating directly on corridors.~~

EXCEPTION 1: Mechanically exhausted toilet rooms [50 square feet (4.7 m²) or less] and small rooms [30 square feet (2.79 m²) or less] such as janitor closet and electrical or telephone closets opening directly onto corridor.

EXCEPTION 2: Air transfer caused by pressure differentials in rooms required to have a positive or negative air balance by Table 4-A ~~or Table 4-G.~~

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *

(END OF ITEM)

ITEM 12-5
OSHPD 04/04
Part 4

APPROVED

408.1.5 Filter bank No. 1 shall be located upstream of the air-conditioning equipment. Filter bank No. 2 and filter bank No. 3 shall be located downstream of the supply fan and all cooling and humidification equipment with efficiencies as indicated in Table 4-B or Table 4-C.

EXCEPTION: Dry steam-type humidifiers for local room humidity control may be installed downstream of ~~filter bank No. 2~~ the final filter bank where designs are specifically approved by the enforcing agency.

408.1.6 Filter bank No. 2 and filter bank No. 3 media ...

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *

(END OF ITEM)

ITEM 12-6
OSHDP 04/04
Part 4

APPROVED

Chapter 5 – Exhaust Systems

Adopt entire 2003 UMC Chapter 5 and carry forward existing amendments of 2001 CMC for OSHDP 1, 2, 3 & 4. Also, existing amendment is being relocated from Section 509.2 to 508.1:

Section 508.0 Hoods.

Section 508.1 Construction. The hood or that portion of a primary collection ...

All hoods shall be secured in place **[For OSHDP 1, 2 & 4]** to resist the lateral loads given in the California Building Code, Title 24, Part 2 by noncombustible supports.

Section 509.2 ... Hoods shall be secured in place ~~**[For OSHDP 1, 2 & 4]**~~ to resist the lateral loads given in the California Building Code, Title 24, Part 2 by noncombustible supports.

* * *

(END OF ITEM)

ITEM 12-7
OSHDP 04/04
Part 4

APPROVED

Chapter 6 – Duct Systems

Adopt entire 2003 UMC Chapter 6 and carry forward existing amendments of 2001 CMC for OSHDP 1, 2, 3 & 4 with the following modifications:

602.0 Material.

602.1 General. Supply air, return air, and outside air for heating, cooling, or evaporative cooling systems shall be conducted through duct systems constructed of metal as set forth in Tables 6-1, 6-2, 6-3, 6-4, 6-7, 6-8, 6-9, and 6-10, or metal ducts complying with UMC Standard No. 6-2 or the referenced HVAC duct construction standard in Chapter 17, Part II. Rectangular ducts in excess of 2 inches w.g. shall comply with UMC Standard No. 6-2 or the referenced HVAC duct construction standard in Chapter 17, Part II. Ducts, plenums, and fittings may be constructed of asbestos cement, concrete, clay, or ceramics when installed in the ground or in a concrete slab, provided the joints are tightly sealed.

Corridors shall not be used to convey air to or from rooms if the corridor is required to be of fire-resistive construction per the Building Code.

EXCEPTION 1: [For OSHDP 1, 2, 3 & 4]: See Section 407.4.1.3 Exception 1.

~~**EXCEPTION 1: [For OSHDP 1, 2, 3 & 4]: In health facilities, air from corridors may be used as makeup air to ventilate small rooms of 30 square feet (2.79 m²) or less which are mechanically exhausted, such as bathrooms, toilet rooms, janitor closets, and electrical or telephone closets opening directly onto corridors.**~~

~~**EXCEPTION 2: [OSHDP 1, 2, 3 & 4]: Air transfer caused by pressure differentials in rooms required to have a positive or negative air balance by Table 4-A.**~~

Concealed building spaces or independent construction within buildings may be used as ducts or plenums. ...

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *
(END OF ITEM)

ITEM 12-8
OSHDP 04/04
Part 4

APPROVED

607.0 Ventilating Ceilings.

607.1 General. Perforated ceilings may be used for air supply within the limitations of this section. Exit corridors, when required to be of fire-resistive construction by the Building Code, shall not have ventilating ceilings.

607.1.1 [For OSHPD 1, 2, 3 & 4] Ventilating ceilings are not permitted in health facilities.

EXCEPTION: Designs specifically approved by the enforcing agency.

607.2 Requirements ...

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *
(END OF ITEM)

ITEM 12-9
OSHDP 04/04
Part 4

APPROVED

Chapter 7 – Combustion Air

Adopt entire 2003 UMC Chapter 7 for OSHPD 1, 2, 3 & 4 without amendments:

The 2001 CMC amendment indicated below will not be carried forward to the 2003 UMC:

~~**707.2.1 Designed Installations—Compliance. [For OSHPD 1, 2, 3 & 4]** When, in the opinion of the authority having jurisdiction, the designed installation does not comply with Table 7-1 or its equivalent, calculations shall be submitted to the authority having jurisdiction for approval.~~

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *
(END OF ITEM)

ITEM 12-10
OSHDP 04/04
Part 4

APPROVED

Chapter 8 – Chimneys and Vents

Adopt entire 2003 UMC Chapter 8 for OSHPD 1, 2, 3 & 4 without amendments.

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *
(END OF ITEM)

ITEM 12-11
OSHDP 04/04
Part 4

APPROVED

Chapter 9 – Installation of Specific Equipment

Adopt entire 2003 UMC Chapter 9 and carry forward existing amendments of the 2001 CMC for OSHPD 1, 2, 3, & 4 with the following modifications:

902.0 General.

(A) This chapter is applicable primarily to nonindustrial-type gas utilization equipment ...

(B) Gas utilization equipment shall not be installed ...

(C) Where the room size in comparison with the size of the equipment ...

(D) *[For OSHPD 1, 2 & 4] Warm air furnaces shall not be installed under openable windows on exterior walls.*

(E) *[For OSHPD 1, 2 & 4] A vented decorative appliance shall not be located in any hospital, skilled nursing facility, intermediate care facility or correctional treatment center.*

903.0 Air Conditioning Equipment (Gas-Fired Air Conditioners and Heat Pumps). ...

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *
(END OF ITEM)

ITEM 12-12
OSHDP 04/04
Part 4

APPROVED

Chapter 10 – Steam and Hot-Water Boilers

Adopt entire 2003 UMC Chapter 10 for OSHPD 1, 2, 3 & 4 without amendments.

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *
(END OF ITEM)

ITEM 12-13
OSHDP 04/04
Part 4

APPROVED

Chapter 11 - Refrigeration

Adopt entire 2003 UMC Chapter 11 and carry forward existing amendments of 2001 CMC for OSHPD 1, 2, 3 & 4 with the following modifications:

11-1 Refrigerant Groups¹, Properties² and Allowable Quantities^{3 14,13}

(Data reprinted with permission from The American Society of Heating, Refrigerating, and Air-Conditioning Engineers)

Refrigerant	Chemical Formula	Chemical Name ⁴ (Composition for Blends)	Safety Group ¹	PEL ⁵ (ppm)	IDLH ⁶ (ppm)	Pounds per 1000 cf of Space ⁷
R-11	CCl ₃ F	Trichlorofluoromethane	A1	C100 ⁸	4,000 ¹⁰	1.60
R-12	CCl ₂ F ₂	Dichlorodifluoromethane	A1	1000	40,000	12.00
R-13	CCF ₃	Chlorotrifluoromethane	A1	1000	67,000	18.00
R-13B1	CBrF ₃	Bromotrifluoromethane	A1	1000	57,000	22.00
R-14	CF ₄	Tetrafluoromethane (carbon tetrafluoride)	A1	1000	67,000	15.00
R-22	CHClF ₂	Chlorodifluoromethane	A1	1000 ¹⁰	42,000 ¹¹	9.4
R-23	CHF ₃	Trifluoromethane	A1	-	-	-
R-113	CCl ₂ FCClF ₂	1,1,2-trichloro-1,2,2-trifluoroethane	A1	1000	4500	1.90
R-114	CClF ₂ CClF ₂	1,2-dichloro-1,1,2,2-tetrafluoroethane	A1	1000	50,000	9.40
R-123	CHCl ₂ CF ₃	2,2-dichloro-1,1,1,-trifluoroethane	B1	10 ¹⁰	4000 ¹¹	1.60
R-124	CHClF ₂ CF ₃	1,2-dichloro-1,1,1,-tetrafluoroethane	A1	-	-	-
R-134a	CF ₃ CH ₂ F	1,1,1,2-tetrafluoroethane	A1	1000 ¹⁰	50,000 ¹¹	16.00
R-170	CH ₃ CH ₃	Ethane	A3	1000	6,400	0.50
R-236fa	CF ₃ CH ₂ CF ₃	1,1,1,3,3,3-hexafluoropropane	A1	-	-	-
R-245fa	CF ₃ CH ₂ CHF ₂	1,1,1,3,3-pentafluoropropane	A3	-	-	-
R-290	CH ₃ CH ₂ CH ₃	Propane	A3	1000	4,400	0.50
R-400	Azeotrope	R-12/114	A1	-	-	-
R-401A	Azeotrope	R-22/152a/124 (53/13/34)	A1	-	-	-
R-401B	Azeotrope	R-22/152a/124 (61/11/28)	A1	-	-	-
R-401C	Azeotrope	R-22/152a/124 (33/15/52)	A1	-	-	-
R-402A	Azeotrope	R-125/290/22 (60/2/38)	A1	-	-	-
R-402B	Azeotrope	R-125/290/22 (38/2/60)	A1	-	-	-
R-404A	Azeotrope	R-125/143a/34a (44/52/4)	A1	-	-	-
R-407A	Azeotrope	R-32/125/134a (20/40/40)	A1	-	-	-
R-407B	Azeotrope	R-32/125/134a (10/70/20)	A1	-	-	-
R-407C	Azeotrope	R-32/125/134a (23/25/52)	A1	-	-	-
R-407D	Azeotrope	R-32/125/134a (15/15/70)	A1	-	-	-
R-407E	Azeotrope	R-32/125/134a (25/15/60)	A1	-	-	-
R-408A	Azeotrope	R-125/143a/22 (7/46/47)	A1	-	-	-
R-409A	Azeotrope	R-22/124/142b (60/25/15)	A1	-	-	-
R-410A	Azeotrope	R-32/125 (50/50)	A1	-	-	-
R-416A	Azeotrope	R-134a/124/600 (59/39.5/1.5)	A1	-	-	-

R-500 73.8% 26.2%	Azeotrope CCl ₂ F ₂ CClF ₂ CHF ₃	R-12/125a (73.8/26.2) Dichlorodifluoromethane 1,1-difluoroethane	A1	1000 ¹⁰	47,000 ¹⁰	12.00
R-502 48% 51.2%	Azeotrope CHClF ₂ CClF ₂ CF ₃	R-23/13 (48.8/51.2) Chlorodifluoroethane 1-chloro-1,1,2,2,2-pentafluoroethane	A1	1000	67,000	15.00
R-503	Azeotrope	R-23/13 (48.8/51.2)	A1	1000	67,000	15.00
R-507A	Azeotrope	R-125/143a (50/50)	A1	-	-	-
R-508A	Azeotrope	R-23/116 (39/61)	A1	-	-	-
R-508B	Azeotrope	R-23/116 (46/54)	A1	-	-	-
R-509A	Azeotrope	R-22/218 (44/560)	A1	-	-	-
R-600	CH ₃ CH ₂ CH ₂ CH ₃	Butane	A3	800	3,400	0.51
R-600a	CH(CH ₃) ₂ CH ₃	Isobutane (2-methyl propane)	A3	800	3,400	0.51
R-717	NH ₃	Ammonia	B2	50 ¹²	500	0.022
R-718	H ₂ O	Water	A1	-	-	-
R-744	CO ₂	Carbon Dioxide	A1	5000	50,000	5.70
R-1150	CH ₂ =CH ₂	Ethene (ethylene)	A3	1000	5,200	0.38
R-1270	CH ₃ CH=CH ₂	Propane 9propylene)	B3	1000	3,400	0.37

For SI: 1 pound = 0.454kg, 1 cubic foot = 0.0283m³.

1 Refrigerant safety group designation is in accordance with Section 1102.0.

2 Refrigerant properties are those needed for this chapter.

3 Allowable quantities are for high-probability systems under Section 1103.0 only.

4 Chemical name shown is the preferred name.

5 PEL is that designated in 29 CFR 1910.1000 unless otherwise indicated.

6 IDLH is that designated by NIOSH unless otherwise designated.

7 Pounds of refrigerant in a high-probability system per 1000 cubic feet (28.3kg/m³) of occupied space. See Section 1104.0.

This column does not apply to refrigerant machinery rooms or areas covered by Section 1106.0.

8 The PEL value shown is the TLV-C recommended by ACGIH.

9 The IDLH value shown is reduced from that designated by NIOSH in light of cardiac sensitization potential.

10 A PEL has not yet been established; the value given was determined in a consistent manner.

11 An IDLH has not yet been established; the value given was determined in a consistent manner.

12 OSHA PEL is 50ppm; ACGIH TLV-WA is 25ppm.

4413 [For OSHPD 1, 2 & 4] The quantity of refrigerant in each system is limited to 50% of the amount listed. Exception: kitchens, laboratories, and mortuaries.

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *

(END OF ITEM)

ITEM 12-14
OSHPD 04/04
Part 4

APPROVED

Chapter 12- Hydronics

Adopt entire 2003 UMC Chapter 12 for OSHPD 1, 2, 3 & 4 without amendments.

Chapter 13 – Fuel Piping

Adopt entire 2003 UMC Chapter 13 for OSHPD 1, 2, 3 & 4 without amendments.

Chapter 14 – Process Piping

Adopt entire 2003 UMC Chapter 14 for OSHPD 1, 2, 3 & 4 without amendments.

Chapter 15 – Solar Systems

Not adopted by OSHPD.

Chapter 16 – Stationary Fuel Cell Power Plants

Not adopted by OSHPD.

Chapter 17 – Standards

Adopt entire 2003 UMC Chapter 17 for OSHPD 1, 2, 3 & 4 without amendments.

Appendix A Uniform Mechanical Code

Adopt entire 2003 UMC Appendix A for OSHPD 1, 2, 3 & 4 without amendments.

Appendix B Procedures to be Followed to Place Gas Equipment in Operation

Adopt entire 2003 UMC Appendix B for OSHPD 1, 2, 3 & 4 without amendments.

Appendix C Installation and Testing of Oil (Liquid) Fuel-Fired Equipment

Adopt entire 2003 UMC Appendix C for OSHPD 1, 2, 3 & 4 without amendments.

Appendix D Unit Conversion Tables

Adopt entire 2003 UMC Appendix D for OSHPD 1, 2, 3 & 4 without amendments.

NOTATION:

Authority: Health and Safety Code Sections 18928 and 129850

Reference: Health and Safety Code Section 1226, 1275, 129790 and 129850

* * *

(END OF ITEM)

MATRIX ADOPTION TABLES

California Mechanical Code Chapter 1						
Adopt entire 2003 UMC Chapter 1 and carry forward amendments, with necessary modifications, from Chapter 1 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHPD			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments						
Adopt entire 2003 UMC chapter as amended (amended sections listed below)			X	X	X	X
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						
101.1	CA		X	X	X	X
102.0	CA		X	X	X	X
103.1	CA		X	X	X	X
103.1.1.1	CA		X	X	X	X
104.6	CA		X	X	X	X
108.1.1	CA		X	X	X	X
108.1.1.12	CA		X	X	X	X
108.1.1.12.1	CA		X			
108.1.1.12.2	CA			X		
108.1.1.12.3	CA				X	
108.1.1.12.4	CA					X
119.0	CA		X	X	X	X
120.0	CA		X	X	X	X
121.1	CA		X	X	X	X

California Mechanical Code Chapter 2						
Adopt entire 2003 UMC Chapter 2 and carry forward amendments, with necessary modifications, from Chapter 2 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHDP			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments						
Adopt entire 2003 UMC chapter as amended (amended sections listed below)			X	X	X	X
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						
203.0	CA		X	X	X	X
204.0	CA		X	X	X	X
207.0	CA		X	X	X	X
210.0	CA		X	X	X	X
217.0	CA		X	X	X	X
221.0	CA		X	X	X	X
223.0	CA		X	X	X	X

California Mechanical Code Chapter 3						
Adopt entire 2003 UMC Chapter 3 and carry forward amendments, with necessary modifications, from Chapter 3 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHDP			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments						
Adopt entire 2003 UMC chapter as amended (amended sections listed below)			X	X	X	X
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						
304.2 Exception 2	CA		X	X		X
313.0	CA		X	X		X
314.1	CA		X			X
314.2	CA			X		X
315.1	CA		X			X
315.2	CA			X		X
315.3	CA				X	
316.0	CA		X	X	X	X
Table 315	CA		X		X	X

California Mechanical Code Chapter 4					
Adopt entire 2003 UMC Chapter 4 and carry forward amendments, with necessary modifications, from Chapter 4 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:					
Comments		OSHDP			
		1	2	3	4
Adopt entire 2003 UMC chapter without amendments					
Adopt entire 2003 UMC chapter as		X	X	X	X

amended (amended sections listed below)						
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						
401.0	CA		X	X	X	X
403.0 Exception	CA		X	X	X	X
407.0	CA		X	X	X	X
408.0	CA		X	X	X	X
409.0	CA		X	X	X	X
410.0	CA		X	X	X	X
411.0	CA		X	X	X	X
412.0	CA		X	X	X	X
413.0	CA		X	X	X	X
414.0	CA		X	X	X	X
415.0	CA		X	X	X	X
416.0	CA		X	X	X	X
416.3	CA					X
417.0	CA		X	X	X	X
418.0	CA		X	X	X	X
Table 4-A	CA		X	X	X	X
Table 4-B	CA		X		X	
Table 4-C	CA			X		X

California Mechanical Code Chapter 5						
Adopt entire 2003 UMC Chapter 5 and carry forward amendments, with necessary modifications, from Chapter 5 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHDP			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments					X	
Adopt entire 2003 UMC chapter as amended (amended sections listed below)			X	X		X
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						
509.2	UMC		X	X		X

California Mechanical Code Chapter 6						
Adopt entire 2003 UMC Chapter 6 and carry forward amendments, with necessary modifications, from Chapter 6 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHDP			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments						
Adopt entire 2003 UMC chapter as amended (amended sections listed below)			X	X	X	X
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						
602.1 Exception	CA		X	X	X	X
602.3.1	CA		X	X	X	X
605.0	CA		X	X	X	X
605.1	CA		X	X	X	X
605.2	CA		X	X		X
607.1.1	CA		X	X	<u>X</u>	X

California Mechanical Code Chapter 7						
Adopt entire 2003 UMC Chapter 7 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHPD			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments			X	X	X	X
Adopt entire 2003 UMC chapter as amended (amended sections listed below)			X	X	X	X
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						
707.2.1	CA		X	X	X	X

California Mechanical Code Chapter 8							
Adopt entire 2003 UMC Chapter 8 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:							
Comments			OSHPD				
			1	2	3	4	
Adopt entire 2003 UMC chapter without amendments			X	X	X	X	
Adopt entire 2003 UMC chapter as amended (amended sections listed below)							
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.							

California Mechanical Code Chapter 9						
Adopt entire 2003 UMC Chapter 9 and carry forward amendments, with necessary modifications, from Chapter 9 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHPD			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments					X	
Adopt entire 2003 UMC chapter as amended (amended sections listed below)			X	X		X
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						
902.0	CA		X	X		X
904.8	CA		X	X		X
912.0	CA		X	X		X

California Mechanical Code Chapter 10							
Adopt entire 2003 UMC Chapter 10 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:							
Comments			OSHPD				
			1	2	3	4	
Adopt entire 2003 UMC chapter without amendments			X	X	X	X	
Adopt entire 2003 UMC chapter as amended (amended sections listed below)							
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.							

California Mechanical Code Chapter 11						
Adopt entire 2003 UMC Chapter 11 and carry forward amendments, with necessary modifications, from Chapter 11 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHPD			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments						
Adopt entire 2003 UMC chapter as amended (amended sections listed below)			X	X	X	X
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						
1107.5	CA		X	X	X	X
1131.4	CA		X	X	X	X
Table 11-1	CA		X	X		X
Table 11-2	CA		X	X	X	X

California Mechanical Code Chapter 12							
Adopt entire 2003 UMC Chapter 12 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:							
Comments			OSHDP				
			1	2	3	4	
Adopt entire 2003 UMC chapter without amendments			X	X	X	X	
Adopt entire 2003 UMC chapter as amended (amended sections listed below)							
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.							

California Mechanical Code Chapter 13					
Adopt entire 2003 UMC Chapter 13 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:					
Comments		OSHDP			
		1	2	3	4
Adopt entire 2003 UMC chapter without amendments		X	X	X	X
Adopt entire 2003 UMC chapter as amended (amended sections listed below)					
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.					

California Mechanical Code Chapter 14					
Adopt entire 2003 UMC Chapter 14 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:					
Comments		OSHDP			
		1	2	3	4
Adopt entire 2003 UMC chapter without amendments		X	X	X	X
Adopt entire 2003 UMC chapter as amended (amended sections listed below)					
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.					

California Mechanical Code Chapter 15					
Not adopted by OSHDP for publication and effectiveness in the 2004 edition of the California Mechanical Code:					
Comments		OSHDP			
		1	2	3	4
Adopt entire 2003 UMC chapter without amendments					
Adopt entire 2003 UMC chapter as amended (amended sections listed below)					
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.					

California Mechanical Code Chapter 16						
Not adopted by OSHPD for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHPD			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments			X	X	X	X
Adopt entire 2003 UMC chapter as amended (amended sections listed below)						
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						

California Mechanical Code Chapter 17						
Adopt entire 2003 UMC Chapter 17 of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHPD			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments			X	X	X	X
Adopt entire 2003 UMC chapter as amended (amended sections listed below)						
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						

California Mechanical Code Chapter Appendix A						
Adopt entire 2003 UMC Appendix A of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:						
Comments			OSHPD			
			1	2	3	4
Adopt entire 2003 UMC chapter without amendments			X	X	X	X
Adopt entire 2003 UMC chapter as amended (amended sections listed below)						
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.						

California Mechanical Code Chapter Appendix B					
Adopt entire 2003 UMC Appendix B of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:					
Comments		OSHDP			
		1	2	3	4
Adopt entire 2003 UMC chapter without amendments		X	X	X	X
Adopt entire 2003 UMC chapter as amended (amended sections listed below)					
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.					

California Mechanical Code Chapter Appendix C					
Adopt entire 2003 UMC Appendix C of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:					
Comments		OSHDP			
		1	2	3	4
Adopt entire 2003 UMC chapter without amendments		X	X	X	X
Adopt entire 2003 UMC chapter as amended (amended sections listed below)					
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.					

California Mechanical Code Chapter Appendix D					
Adopt entire 2003 UMC Appendix D of the 2001 edition of the California Mechanical Code, as follows, for publication and effectiveness in the 2004 edition of the California Mechanical Code:					
Comments		OSHDP			
		1	2	3	4
Adopt entire 2003 UMC chapter without amendments		X	X	X	X
Adopt entire 2003 UMC chapter as amended (amended sections listed below)					
Adopt only those sections of 2003 UMC which are listed below and/or adopt only those California promulgated sections listed below.					

EXPRESS TERMS

ITEM 13-1
SFM 01/04

Part 4, Chapters 1, 2,3,5,6,9, & 13

APPROVE AS AMENDED

MATRIX ADOPTION TABLES

California State Fire Marshal
UMC 2003 Adoption Matrix / Chapter 1- Administration
Adopt only those sections listed below

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
	101		101.1		101.1	X	SFM proposes to carry existing amendments to new code
	102		102.0	102.0	102.0	X	SFM proposes to carry existing amendments to new code
	103.1.		103.1.	103.0	103.0	X	SFM proposes to carry existing amendments to new code
	103.1.1		103.1.1		103.1.1	X	SFM proposes to carry existing amendments to new code
			103.1.5		103.1.5	X	SFM proposes to carry existing amendments to new code
			103.1.6		103.1.6	X	SFM proposes to carry existing amendments to new code

			103.1.7		103.1.7	X	SFM proposes to carry forward existing amendments to new code
			105.2		105.1	X	SFM proposes to carry forward existing amendments to new code; renumbered in 2003 UMC
	105.4		105.3		105.2	X	SFM proposes to carry forward existing amendments to new code; renumbered in 2003 UMC
	105.5		105.4		105.3	X	SFM proposes to carry forward existing amendments to new code; renumbered in 2003 UMC
	108.1		108.1	108.1	108.1	X	SFM proposes to carry forward existing amendments to new code
			108.1.1		108.1.1	X	SFM proposes to carry forward existing amendments to new code
	108.1.1.13		108.1.1.13		108.1.1.13	X	SFM proposes to carry forward existing amendments to new code
	108.3		108.3	108.3	108.3	X	SFM proposes to carry forward existing amendments to new code
	109.2		109.2		109.1	X	SFM proposes to carry forward existing amendments to new code; renumbered in 2003 UMC
	112.2 ITEM 6		112.2.6		112.2.6	X	SFM proposes to carry forward existing amendments to new code
	113.4		113.2.1		113.2.1	X	SFM proposes to carry forward existing amendments to new code
	113.5		113.2.2		113.2.2	X	SFM proposes to carry forward existing amendments to new code
	113.6		113.2.3		113.2.3	X	SFM proposes to carry forward existing amendments to new code
	113.7		113.2.4		113.2.4	X	SFM proposes to carry forward existing amendments to new code
	113.8		113.2.5		113.2.5	X	SFM proposes to carry forward existing amendments to new code
	114.1		114.1.2		114.1.1	X	SFM proposes to carry forward existing amendments to new code; renumbered in 2003 UMC
	114.2		114.2.2	114.2		X	The SFM previously amended 2001 CMC Sec 114.2.2 which is the same as 2003 UMC.
	116.5		116.5	116.5	116.5	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
	118		118.0		118.0	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code

	118		118.1		118.1	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
	118	118.3	118.2		118.2	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
	118	118.3	118.3		118.3	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
	118	118.4	118.4		118.4	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
	118	118.5	118.5		118.5	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
	119		119		119.0	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
	120		120.0		120.0	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
	121.1		121.0		121.0	X	SFM proposes to carry forward existing amendments to new code
	121.2		121.1		121.1	X	SFM proposes to carry forward existing amendments to new code
			121.2		121.2	X	SFM proposes to carry forward existing amendments to new code

California State Fire Marshal
 UMC 2003 Adoption Matrix / Chapter 2 - Definitions
Adopt entire Chapter 2 with amendments listed below

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
203.0	203.0	203.0	203.0	203.0	203.0	X	.
Approved		Approved	Approved	Approved	Approved	X	SFM proposes to carry forward existing amendments to new code
Approved Agency	Approved Agency					†	UMC language not adopted
		Approved Agency	Approved Agency	Approved	Approved Agency	X	SFM proposes to carry forward existing

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
				Agency			amendments to new code amendments to new code
Assembly Building	Assembly Building					†	UMC language not adopted
		Assembly Building	Assembly Building	Assembly Building	Assembly Building	X	SFM proposes to carry forward existing amendments to new code
204.0	204.0	204.0	204.0	204	204		
Brine	Brine	Brine	Brine			†	UMC language not adopted
				Brine		X	To Repeal prior SFM amendment, referenced standards outdated
Building Code		Building Code		Building Code		†	UMC language not adopted.
	Building Code		Building Code		Building Code	X	SFM proposes to carry forward existing amendments to new code
Building Official		Building Official		Building Official		†	UMC language not adopted.
	Building Official		Building Official		Building Official	X	SFM proposes to carry forward existing amendments to new code
207.0	207.0	207.0	207.0				
N/A	N/A	Enforcing Agency	Enforcing Agency	Enforcing Agency	Enforcing Agency	X	SFM proposes to carry forward existing amendments to new code
214.0	214.0	214.0	214.0				
Listed and Listing		Listed and Listing		Listed and Listing		†	UMC language not adopted
	Listed and Listing		Listed and Listing		Listed and Listing	X	SFM proposes to carry forward existing amendments to new code
215.0	215.0	215.0	215.0				
N/A	Machinery Room	N/A	Machinery Room		Machinery Room	X	SFM proposes to carry forward existing amendments to new code
217.0	217.0	217.0	217.0				
	Occupancy	Occupancy	Occupancy	Occupancy	Occupancy Classification	X	SFM proposes to carry forward existing amendments to new code including

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
	Classification	Classification	Classification	Classification	(New)		amendment revisions to Group E Occupancies to coordinate with the CBC
223.0	223.0	223.0	223.0				
	UMC		UMC	UMC	UMC	X	SFM proposes to carry forward existing amendments to new code
	UMC Standards		UMC Standards	UMC Standards	UMC Standards	X	SFM proposes to carry forward existing amendments to new code

California State Fire Marshal
UMC 2003 Adoption Matrix / Chapter 3 - General Requirements

Adopt entire Chapter 3 with amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
					304.6	X	SFM proposes to amend this section for clarity.
					304.7	X	SFM proposes to adopt this section as amended by HCD

California State Fire Marshal
UMC 2001 Adoption Matrix / Chapter 4 – Ventilation Air Supply

Adopt entire Chapter 4 with amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
	402.3		401.1	401.0	401.0	X	SFM proposes to carry forward existing amendments to new code. Note: 2001 CBC Standards were removed by CBSC. If these standards are not reinstated, this section shall be referred to the 1998 CBC Standards Part 12.

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 5- Exhaust Systems
Adopt entire Chapter 5 with amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
	N/A	502		502		X	
		N/A	N/A	Fire Barrier Wall		†	UMC language not adopted
		N/A	N/A	Fire Partition		†	UMC language not adopted
	508.5	509.5	509.5		509.2.3.1	X	SFM proposes to carry forward existing amendments to new code
				510.7.1		†	UMC language not adopted
508.4		508.4			510.7.1.1	X	SFM proposes to carry forward the 2001 CMC Section 508.4 model code as a state amendment in order to maintain the current level of fire and life safety.
				510.7.2		†	UMC language not adopted
				510.7.2.1		†	UMC language not adopted
				510.7.2.2		†	UMC language not adopted
				510.7.5	510.7.5	X	SFM proposes to amend this section for clarity.
				511.1.6	511.1.6	X	SFM proposes to amend this section for clarity.
				512.2.5	512.2.5	X	SFM proposes to amend this section for clarity.
				513.2.2.1	513.2.2.1	X	SFM proposes to amend this section for clarity.
				513.10	513.10	X	SFM proposes to amend this section for clarity.
				513.10.1		†	UMC language not adopted
				513.10.1.1		†	UMC language not adopted
				513.10.2		†	UMC language not adopted

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
				516.2.5	516.2.5	X	SFM proposes to amend this section for clarity.
				516.2.7	516.2.7	X	SFM proposes to amend this section for clarity.

California State Fire Marshal
 UMC 2003 Adoption Matrix / Chapter 6-Duct Systems
Adopt entire Chapter 6 with amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
			606.8		606.8	X	SFM proposes to carry forward existing amendments to new code
	606.1.1		607.1.1		607.1.1	X	SFM proposes to carry forward existing amendments to new code
	606.1.2		607.1.2		607.1.2	X	SFM proposes to carry forward existing amendments to new code
	608		609.2	609.0	609.0	X	SFM proposes to carry existing amendments with new revisions to new code for clarity.

California State Fire Marshal
 UMC 2003 Adoption Matrix / Chapter 7-Combustion Air
Adopt entire Chapter 7 without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 8-Chimney and Vents

Adopt entire Chapter 8 without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 9- Installation of Specific Equipment

Adopt entire Chapter 9 with amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
		903.0		N/A	904.1.1	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		904.0		N/A	904.1.2	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
		904.1		N/A	904.1.2.1	X	SFM proposes to carry forward existing adopted UMC language as amendment to new code
		904.2		N/A	904.1.2.2	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		904.4		N/A	904.1.2.4	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		904.5		N/A	904.1.2.5	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		904.6		N/A	904.1.2.6	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		904.7		N/A	904.1.2.7	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code

				N/A	904.10	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.1		N/A	904.10.1.2	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.2		N/A	904.10.1.4	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.3		N/A	904.10.1.5	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.4		N/A	904.10.1.6	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
				N/A	904.10.3	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.5		N/A	904.10.3.5	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.6		N/A	904.10.3.6	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.7		N/A	904.10.3.7	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.7.1		N/A	904.10.3.7.1	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.7.2		N/A	904.10.3.7.2	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.7.3		N/A	904.10.3.7.3	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.7.4		N/A	904.10.3.7.4	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.7.5		N/A	904.10.3.7.5	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.7.6		N/A	904.10.3.7.6	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.8		N/A	904.10.3.8	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code

		910.7.3		N/A	904.10.3.8	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.8.1		N/A	904.10.3.8.1	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.8.2		N/A	904.10.3.8.2	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.8.3		N/A	904.10.3.8.3	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.8.4		N/A	904.10.3.8.4	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		910.8.5		N/A	904.10.3.8.5	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		908.0		N/A	904.11	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		909.0		N/A	904.12	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		909.1		N/A	904.12.1	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		909.2		N/A	904.12.2	X	SFM proposes to carry existing adopted UMC language as amendment to new code
		909.3		N/A	904.12.3	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		909.4		N/A	904.12.4	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code
		909.5		N/A	904.12.5	X	SFM proposes to carry forward existing adopted UMC language as an amendment to new code

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 10-Steam and Hot-Water Boilers

Adopt entire Chapter 10 without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 11-Refrigeration

Adopt entire Chapter 11 without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 12-Hydronics

Adopt entire Chapter 12 without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	The SFM proposed adoption of this chapter in the 2000 code cycle but was not published in the 2001 CMC.

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 13-Fuel Gas Piping

Adopt entire Chapter 13 without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	The SFM did not propose adoption of this chapter in the 2000 UMC but is proposing to adopt this chapter in the 2003 UMC to maintain fuel gas piping requirements in California. This action was taken because the 2003 UPC was not adopted in the 2004 cycle.

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 14-Process Piping

Adopt entire Chapter 14 without amendment

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 15-Solar Systems

Chapter 15 is not adopted

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						†	

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 16 - Stationary Fuel Cell Power Plants

Adopt entire Chapter 16 without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	The 2001 CMC Chapter has been renumbered by the 2003 UMC From Standards to new UMC Chapter 16.

California State Fire Marshal
 UMC 2003 Adoption Matrix Chapter 17-Standards

Adopt entire Chapter 17 without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments

						X	The 2001 CMC Chapter has been renumbered by the 2003 UMC
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California State Fire Marshal
 UMC 2003 Adoption Matrix Appendix A – UMC Standards 6-2 and 6-5
Adopt entire Appendix A without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	

California State Fire Marshal
 UMC 2003 Adoption Matrix Appendix B,
 Procedures to Be Followed to Place Gas Equipment in Operation
Appendix B not adopted

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						†	

California State Fire Marshal
 UMC 2003 Adoption Matrix Appendix C – Installation and Testing of Oil (Liquid) Fuel-Fired Equipment
Appendix C is not adopted

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						†	

California State Fire Marshal
 UMC 2003 Adoption Matrix Appendix D – Unit Conversion Tables
Adopt entire Appendix D without amendments

1997 UMC	1998 CA Amendment #	2000 UMC	2001 CA Amendment #	2003 UMC	2003 Proposed/ Amendment #	SFM Local Fire	Comments
						X	

* * *
 (END OF ITEM)

Chapter 1 Administration

114.1.1 [For SFM] The application, plans, specifications, computations and other data filed by an applicant for permit shall be reviewed by the building official. Such plans ~~may [For SFM]~~ shall be reviewed by other departments of this jurisdiction ~~[For SFM]~~ in accordance with state law, Health and Safety Code Section 13146, in occupancies regulated by the state fire marshal in order to verify compliance with applicable laws under their jurisdiction. If the building official finds that the work described in an application for a permit and the plans, specifications and other data filed there –with conform to the requirements of the code and other pertinent laws and ordinances and that the fees specified in Section ~~304~~ 115 have been paid, the building official shall issue a permit ~~therefore~~ to the applicant.

Notation

Authority: Health and Safety Code Sections 18949.2, 17921

Reference: Health and Safety Code Section 18949.2

CHAPTER 2 Definitions

Group E Occupancies

Division 1. Any building used for educational purposes through the 12th grade by fifty (50) or more persons for more than twelve (12) hours per week or four hours in any one day.

Division 2. Any building used for educational purposes through the 12th grade by less than fifty (50) persons for more than twelve (12) hours per week or four hours in any one day.

[For SFM] Exception: A residence used as a home school for the children who normally reside at the residence. Such residences shall remain classified as Group R, Division 1 or 3

Division 3. [For SFM] Any nonresidential building or portion thereof used for day-care purposes for more than six ~~children~~ persons. Any residential building used for day-care purposes for more than 14 persons. Licensing categories that may use this category include: Adult Day Care Facilities, Family Day Care Homes, Day Care Centers, Adult Day Support Center, Day Care Center for Mildly Ill Children, Infant Care Center, School-Age Child Day Care Centers.

Notation

Authority: Health and Safety Code Section 13133, 13143. 13143.6

Reference: Health and Safety Code Section 18949.2

* * *

(END OF ITEM)

Chapter 3 General Requirements

304.7 6 Liquefied Petroleum Gas Facilities. Containers, container valves regulating equipment, and appurtenances for the storage and supply of liquefied petroleum gas shall be installed in accordance with the **[For SFM] California** Fire Code.

Notation

Authority: Health and Safety Code Section 13143.9

Reference: Health and Safety Code Section 18949.2

* * *

(END OF ITEM)

Chapter 5 Exhaust Systems

510.7 Interior Installations

510.7.1 [SFM does not adopt] In all buildings more than one story in height, and in one-story buildings where the roof-ceiling assembly is required to have a fire resistance rating, the ducts shall be enclosed in a continuous enclosure extending from the lowest fire-rated ceiling or floor above the hood, through any concealed spaces, to or through the roof so as to maintain the integrity of the fire separations required by the applicable building code provisions. The enclosure shall be sealed around the duct at the point of penetration of the lowest fire-rated ceiling or floor above the hood in order to maintain the fire resistance rating of the enclosure and shall be vented to the exterior of the building through weather-protected openings.

Exception: The continuous enclosure provisions shall not be required where a field-applied grease duct enclosure or a factory-built grease duct enclosure (see Section 507.2.3) is protected with a listed duct through-penetration protection system equivalent to the fire resistance rating of the assembly being penetrated, and the materials are installed in accordance with the conditions of the listing and the manufacturer's instructions and are acceptable to the Authority Having Jurisdiction.

510.7.1.1 [For SFM] A grease duct serving a Type I hood which penetrates a ceiling, wall or floor shall be enclosed in a duct enclosure from the point of penetration. A duct may only penetrate exterior walls at locations where unprotected openings are permitted by the building code. Duct enclosures shall be constructed in accordance with the California Building Code. Duct enclosures shall be of a least one-hour fire-resistive construction in all buildings and shall be of two-hour fire-resistive construction in Types I and II fire-resistive buildings. The duct enclosure shall be sealed around the duct at the point of penetration and vented to the exterior through weather protected openings. The enclosure shall be separated from the duct by at least three (3) inches (76mm) and not more than twelve (12) inches (305mm) and shall serve a single grease exhaust duct system.

Notation

Authority: Health and Safety Code Section 13143

Reference: Health and Safety Code Section 18949.2

* * *
(END OF ITEM)

ITEM 13-5
SFM 01/04
Part 4

APPROVED

510.7 Interior Installations

510.7.5 If openings in the enclosure walls are provided, they shall be protected by approved self-closing fire doors of proper rating [For SFM] in accordance with the California Building Code. Fire doors shall be installed in accordance with NFPA 80, Standard for Fire Doors and Fire Windows [For SFM] UBC Standard 7-2. Openings on other listed materials or products shall be clearly identified and labeled according to the terms of the listing and the manufacturer's instructions and shall be acceptable to the Authority Having Jurisdiction. The panels shall be readily accessible.

511.1.6 All wiring and electrical equipment shall comply with NFPA 70, National Electrical Code [For SFM] California Electrical Code.

512.2.5 All electrical equipment shall be installed in accordance with NFPA 70, National Electrical Code [For SFM] California Electrical Code, with due regard to the effects of heat, vapor, and grease on the equipment.

[SFM has previously submitted proposed rulemaking to the California Building Standards under the 2003 annual code cycle. The SFM has proposed amendments to the 2001 California Building and Fire Codes addressing updates to the National recognized standards as adopted and amended in chapter 35 of CBC and Article 91 of CFC. The proposed amendments listed below in chapter 14 are correlated with the proposed amendments to the CBC and CFC.]

513.2.2.1 Automatic fire-extinguishing systems shall be installed in accordance with the terms of their listing, the manufacturer's instructions, and the following standards [For SFM] adopted by reference in the California Building and Fire Code where applicable.

- (A) NFPA 12 [For SFM] 2000 Edition Standard on Carbon Dioxide Extinguishing Systems.
- (B) NFPA 13 [For SFM] 2002 Edition, Standard for the Installation of Sprinkler Systems.
- (C) NFPA 17 [For SFM] 2002 Edition, Standard for Dry Chemical Extinguishing Systems.
- (D) NFPA 17A [For SFM] 2002 Edition, Standard for Wet Chemical Extinguishing Systems.

Notation

Authority: Health and Safety Code Sections 13114, 18928

Reference: Health and Safety Code 18949.2

* * *
(END OF ITEM)

ITEM 13-6
SFM 01/04
Part 4

APPROVED

513.10 Portable Fire Extinguishers. [not adopted-For SFM regulated occupancies see Title 19, Chapter 3, Article 5]

516.2.5 No electrical wiring shall be installed in the interior sections of the hood plenum that might become exposed to grease.

Exception: As permitted by NFPA 70, National Electrical Code [For SFM] California Electrical Code.

516.2.7 Listing evaluation shall include the following:

(A) Capture and containment of vapors at published and labeled airflows.

(B) Grease discharge at the exhaust outlet of the system not to exceed an average of 5 mg/m³ of exhausted air sampled from that equipment at maximum amount of product that is capable of being processed over a continuous 8-hour test per EPA Test Method 202, Determination of Condensable Particulate Emissions for Stationary Sources, with the system operating at its minimum listed airflow.

(C) Listing and labeling of clearance to combustibles from all sides, top, and bottom.

(D) Electrical connection in the field in accordance with NFPA 70, National Electrical Code [For SFM] California Electrical Code.

(E) Interlocks on all removable components that lie in the path of airflow within the unit to ensure that they are in place during operation of the cooking appliance.

Notation

Authority: Health and Safety Code 18928

Reference: Health and Safety Code 18949.2

* * *
(END OF ITEM)

ITEM 13-7
SFM 01/04
Part 4

APPROVED

Chapter 6 Duct Systems

609.0 Automatic Shutoffs.

Air-moving systems supplying air in excess of 2000 cubic feet per minute (944 L/s) to enclosed spaces within buildings shall be equipped with an automatic shutoff. Automatic shutoff shall be accomplished by interrupting the power source of the air-moving equipment upon detection of smoke in the main supply-air duct served by such equipment. Smoke detectors shall be labeled by an approved agency- [For SFM] approved and listed by California State Fire Marshal for air duct installation and shall be installed in accordance with the manufacturer's approved [For SFM] installation instructions. Such devices shall be compatible, with the operating velocities, pressures, temperatures and humidities of the system. Where fire detection or alarm systems are provided for the building, the smoke detectors required by this section shall be supervised by such systems and installed in accordance with NFPA 72 and the California Building and Fire Code.

Exceptions: (1) When the space supplied by the air-moving equipment is served by a total coverage smoke-detection system complying with [For SFM] the California Fire Code, interconnection to such system may be used to accomplish the required shutoff.
(2) Automatic shutoff is not required when all occupied rooms served by the air-handling equipment have direct exit to the exterior and the travel distance does not exceed 100 feet (30,480 mm).
(3) Automatic shutoff is not required for Group R, Division 3 and Group U Occupancies.
(4) Automatic shutoff is not required for approved smoke-control systems or where analysis demonstrates shutoff would create a greater hazard such as may be encountered in air-moving equipment supplying specialized portions of Group H Occupancies. Such equipment shall be required to have smoke detection with remote indication and manual shutoff capability at an approved location.
(5) Smoke detectors that are factory installed in listed air-moving equipment may be used in lieu of smoke detectors installed in the main supply-air duct served by such equipment.

Notation

Authority: Health and Safety Code Sections 18928, 13113.5

* * *
(END OF ITEM)

ITEM 13-8
SFM 01/04
Part 4

APPROVE

CHAPTER 9 INSTALLATION OF SPECIFIC EQUIPMENT

904.1.1 [For HCD 1 and HCD 2, SFM] Access

A furnace room shall have an opening or door and passageway thereto not less than two (2) feet (610 mm) in width and large enough to permit removal of the largest furnace in such room. The furnace shall be installed so as to permit removal without disturbing piping, conduits, appurtenant valves and junction boxes.

Exceptions:

1. When the furnace room is large enough to permit dismantling the furnace within the room, the access opening and passageway need be large enough only to permit removal of the largest piece of furnace. This exception shall not be construed to waive the requirements of a minimum door and passageway of two (2) feet (610 mm).
2. Access to warm-air furnaces installed in under-floor spaces shall comply with Section 904.12.2.
3. Access to warm-air furnaces installed in an attic or furred space shall comply with Section 904.11
4. Access to warm-air furnaces installed on a roof or on an outside wall structure shall comply with Section 904.10

An unobstructed working space not less than thirty (30) inches (762 mm) in depth and the height of the furnace, but not less than thirty (30) inches (762 mm), shall be provided along the entire front or firebox side of every warm-air furnace when the door of the furnace enclosure is open.

Heating system air filters, fuel-control valves, vent collars, air-handling units and externally mounted controls shall be accessible for maintenance, repair and replacement. Access space shall be as specified for cooling equipment in Section 1106.3.

904.1.2 [For HCD 1 and HCD 2, SFM] Prohibited Installations Warm-air furnaces shall not be installed:

904.1.2.1 [For HCD 1 and HCD 2, SFM]In a closet or alcove less than twelve (12) inches (305 mm) wider than the furnace or furnaces installed therein with a minimum clear working space less than three (3) inches (76 mm) along the sides, back and top of the furnace.

Exception: Replacement forced-air furnaces or air-conditioning cooling coils may be installed in an existing closet or alcove with lesser width and depth when approved by the Administrative Authority and provided that such width and depth is in compliance with conditions of listing. Combustion air openings at the rear or side of the closet shall meet the requirements of Chapter 7.

904.1.2.2 [For HCD 1 and HCD 2, SFM] In a hazardous location.

904.1.2.3 [For HCD 1 and HCD 2, SFM] In an occupancy, unless separated by fire-resistive construction from the rest of the building as required by the special hazards section of the Building Code.

904.1.2.4 [For HCD 1 and HCD 2, SFM] In a room used or designed to be used as a bedroom, bathroom, closet or in any enclosed space with access only through such room or space.

Exception: Direct vent furnaces, enclosed furnaces and electric heating furnaces. Access to furnaces located in an attic or under-floor crawl space may be through a closet.

904.1.2.5 [For HCD 1 and HCD 2, SFM] Outside of a building unless listed for exterior installation or enclosed in a weatherproof housing complying with Section 904.1.1

904.1.2.6 [For HCD 1 and HCD 2, SFM] With clearance along the combustion chamber opening side of less than six (6) inches (152 mm) or working space along the entire front or firebox side less than specified in Section 903.0. 103

904.10 Equipment on Roofs [For HCD 1 and HCD 2, SFM] or Exterior Walls of Buildings

904.10.1.2 Roofs or exterior building walls on which equipment is to be installed shall be capable of supporting the additional load or shall be reinforced to support the additional load.

904.10.1.4 [For HCD 1 and HCD 2, SFM] Weather Protection. Unless listed or designed for outside installation, a furnace on the roof of a building shall be enclosed in a penthouse complying with the requirements of the California Building Code for roof structures or shall be completely enclosed in a weatherproof housing. The housing, when constructed of metal, shall be of galvanized steel not less than 0.024 inch (0.61 mm) (No. 24 U.S. Standard gage) or of aluminum not less than No. 22 B.&S. gage supported on a substantial metal frame. The housing shall be not larger than necessary to properly cover and provide a minimum six (6) inch (152 mm) clearance around the appliance or appliances enclosed therein, including all controls and draft diverters.

904.10.1.5 [For HCD 1 and HCD 2, SFM] Ventilation. An enclosure or penthouse shall be provided with openings complying with the requirements of Chapter 7, together with means for proper ventilation of the furnace draft hood relief openings.

904.10.1.6 [For HCD 1 and HCD 2, SFM] Clearance. Clearance of the furnace from combustible construction shall be as specified in Section 304.1.

904.10.3 Access to Equipment on Roofs [For HCD 1 and HCD 2, SFM] or Exterior Walls of Buildings

904.10.3.5 [For HCD 1 and HCD 2, SFM] Platform. A furnace located on a roof shall be installed on a substantial level platform. When the roof has a slope greater than four (4) in twelve (12), a level working platform at least thirty (30) inches (762 mm) in depth and width shall be provided along the firebox and control sides of the furnace. Sides of a working platform facing the roof edge below shall be protected by a substantial railing forty-two (42) inches (1067 mm) in height with vertical rails not more than twenty-one (21) inches (533 mm) apart, except that parapets at least twenty-four (24) inches (610 mm) in height may be utilized in lieu of rails or guards.

904.10.3.6 [For HCD 1 and HCD 2, SFM] Catwalk. On roofs having slopes greater than four (4) in twelve (12), a catwalk at least twenty-four (24) inches (610 mm) in width with substantial cleats spaced not more than sixteen (16) inches (406 mm) apart shall be provided from the roof access to the working platform at the appliance.

904.10.3.7 [For HCD 1 and HCD 2, SFM] Roof Access Scuttle. Required working platforms, railings and catwalks may be omitted when access to the equipment is through a required roof scuttle and all of the following provisions are met:

904.10.3.7.1 [For HCD 1 and HCD 2, SFM] The required scuttle is located immediately adjacent to the control side of the equipment unit.

904.10.3.7.2 [For HCD 1 and HCD 2, SFM] Controls, filters, burners, fans and motors are accessible for service and repair within two (2) feet (610 mm) of the edge of the equipment platform on the scuttle side.

904.10.3.7.3 [For HCD 1 and HCD 2, SFM] The equipment platform is not more than twenty (20) inches (508 mm) above the high side of the scuttle opening.

904.10.3.7.4 [For HCD 1 and HCD 2, SFM] A substantial working platform not less than thirty (30) inches (762 mm) in depth and width shall be provided directly below the scuttle at a point not less than thirty (30) inches (762 mm) or more than thirty-two (32) inches (813 mm) below the high side of the scuttle opening.

904.10.3.7.5 [For HCD 1 and HCD 2, SFM] Scuttles located on other than the roof incline side of the equipment unit shall have the hatch hinged on the low side of the scuttle. Hatches shall be equipped with means to ensure an opening angle of not less than 90 degrees (1.57 rad) nor more than 100 degrees (1.75 rad) from the closed position. Hatches and hardware, when open, shall be capable of withstanding a 300 pound (1334 N) lateral force from the roof incline side.

904.10.3.7.6 [For HCD 1 and HCD 2, SFM] Access to scuttles shall comply with Section 904.11.

904.10.3.8 [For HCD 1 and HCD 2, SFM] Access to Equipment on Exterior Walls. Every furnace installed in or on an exterior wall of a building, which is designed so that the burners or controls must be serviced from outside the building, shall be readily accessible. Furnaces located on the roof of a building shall be readily accessible.

Exceptions:

1. Permanent exterior ladders providing roof access need not extend closer than eight (8) feet (2438 mm) to the finish grade.
2. A portable ladder may be used for access for furnaces on the single-story portion of a Group R or U Occupancy.

3. Permanent ladders for equipment access need not be provided at parapets or walls less than thirty (30) inches (762 mm) in height. Permanent ladders providing roof access shall:

904.10.3.8.1 For HCD 1 and HCD 2, r SFM] Have side railings which extend at least thirty (30) inches (762 mm) above the roof edge or parapet wall.

904.10.3.8.2 [For HCD 1 and HCD 2, SFM] Have landings less than eighteen (18) feet (5486 mm) apart measured from the finished grade.

904.10.3.8.3 [For HCD 1 and HCD 2, SFM] Be at least fourteen (14) inches (356 mm) in width.

904.10.3.8.4. [For HCD 1 and HCD 2, SFM] Have rungs not more than fourteen (14) inches (356 mm) on center.

904.10.3.8.5 [For HCD 1 and HCD 2, SFM] Have a minimum of six (6) inch (152 mm) toe space.

904.11 [For HCD 1 and HCD 2, SFM] Attic Furnaces (Upright and Horizontal) Upright furnaces may be installed in an attic or furred space more than five (5) feet (1524 mm) in height, provided the required listings and furnace and duct clearances are observed. Horizontal furnaces may be installed in an attic or furred space provided the required listings and furnace and duct clearances are observed.

Clearances of a warm-air attic furnace from combustibles shall be as specified in Section 304.1.

An attic or furred space in which a warm-air furnace is installed shall be accessible by an opening and passageway as large as the largest piece of the furnace and in no case less than thirty (30) inches by thirty (30) inches (762 mm x 762 mm) continuous from the opening to the furnace and its controls.

Exception: The access opening into the space may be twenty-two (22) inches by thirty (30) inches (559 mm x 762 mm), provided the largest piece of equipment can be removed through the opening.

The distance from the passageway access to furnace shall not exceed twenty (20) feet (6096 mm) measured along the center line of the passageway. The passageway shall be unobstructed and shall have continuous solid flooring not less than twenty four (24) inches (610 mm) wide from the entrance opening to the furnace.

A level working platform not less than thirty (30) inches (762 mm) in depth and width shall be provided in front of the entire firebox side of the warm-air furnace, and if the furnace temperature-limit control, air filter, fuel-control valve, vent collar or air-handling unit is not serviceable from the firebox side of the furnace, a continuous floor not less than twenty-four (24) inches (610 mm) in width shall be provided from the platform in front of the firebox side of the furnace to and in front of this equipment.

Exception: A working platform need not be provided when the furnace can be serviced from the required access opening.

A permanent electric outlet and lighting fixture controlled by a switch located at the required passageway opening shall be provided at or near the furnace.

904.12 [For HCD 1 and HCD 2, SFM] Warm-Air Furnaces Located in Under-Floor Spaces A warm-air furnace installed in the under-floor area of a building shall comply with the following requirements:

904.12.1 [For HCD 1 and HCD 2, SFM] Clearance from combustibles shall be as specified in Section 304.1.

904.12.2 [For HCD 1 and HCD 2, SFM] An access opening and passageway of a height and width sufficient to permit removal of the furnace, but in no case less than thirty (30) inches by thirty (30) inches (762 mm x 762 mm), shall be provided to the working space in front of the furnace. The access opening to the passageway shall be through an opening in an exterior wall of the building or through a trap door within the building. The distance from the passageway access to the center line of the working space in front of the furnace burner shall not exceed twenty (20) feet (6096 mm) measured along the center line of the passageway.

904.12.3 [For HCD 1 and HCD 2, SFM] A furnace supported from the ground shall rest on a concrete slab extending not less than three (3) inches (76 mm) above the adjoining ground level.

904.12.4 [For HCD 1 and HCD 2, SFM] The lowest portion of a suspended furnace shall have a clearance of at least six (6) inches (152 mm) from the ground. Excavation necessary to install a furnace shall extend to a depth of six (6) inches (152mm) below and twelve (12) inches (305 mm) on all sides of the furnace, except the control side, which shall have thirty (30) inches (762 mm). If the depth of the excavation for either furnace or passageway exceeds twelve (12) inches (305 mm), walls of the excavation shall be lined with concrete or masonry extending four (4) inches (102 mm) above the adjoining ground level. In floodplain areas the entire crawl space grade or height shall provide twelve (12) inch (305 mm) clearance between the bottom of the furnace and the ground.

904.12.5 [For HCD 1 and HCD 2, SFM] A permanent electric outlet and lighting fixture controlled by a switch located at the passageway opening shall be provided at or near the furnace.

Notation

Authority: Health and Safety Code Section 17921

Reference: Health and Safety Code Section 18949.2

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(END OF ITEM)

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EXPRESS TERMS

ITEM 14-1
DSA/SS 02/04

Part 4, Chapters 1 through 17 & Appendix A through D

APPROVED

CHAPTER 1 - Administration

Model Code Adoption/Repeal: DSA-SS adopts only those sections listed below.

101.0 Title

101.1 [For DSA-SS] These regulations shall be known as the "California Mechanical Code," which incorporates the 2000 2003 revisions, copyrighted by the International Association of Plumbing and Mechanical Officials, to the Uniform Mechanical Code, may be cited as such, and will be referred to herein as "this code."

102.0 Purpose

The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of heating, ventilating, cooling, refrigeration systems, incinerators and other miscellaneous heat-producing appliances within this jurisdiction [For DSA-SS] for the State of California.

The purpose of this code is not to create or otherwise establish or designate any particular class or group of persons who will or should be especially protected or benefited by the terms of this code.

103.0 Scope

103.1 Applicability. The provisions of this code shall apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of any heating, ventilating, cooling, refrigeration systems, incinerators or other miscellaneous heat-producing appliances within this jurisdiction [For DSA-SS] for the State of California.

Additions, alterations, repairs and replacement of equipment or systems shall comply with the provisions for new equipment and systems, except as otherwise provided in Section 104.0 of this code.

Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

The design and testing of equipment regulated by this code shall be subject to the approval of the Authority Having Jurisdiction [For DSA-SS] enforcing agency provided in Section 108.1.1.

The standards contained in Appendix A shall be considered as a part of this code. Appendix B and C contain recommended practices that shall not apply unless specifically adopted. Appendix D contains conversion tables and a table for determining the approximate minimum thickness for carbon sheet steel.

103.1.1. Effective Date.

103.1.1.1. [For DSA-SS] Unless otherwise noted herein, effective date is 180 days after the date of publication.

103.1.5 [For DSA-SS] Non-Building Regulations. Requirements contained in the U.M.C. or in any other reference standard, code, or documents, which are not building standards as defined in Health and Safety Code Section 18909, shall not be construed as part of the provisions of this code.

~~**105.2 [For DSA-SS] Order of Precedence.** Where in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. When there is a conflict between a general and specific requirement, the specific requirement shall apply.~~

Mechanical standards in the code shall have no retroactive or retrospective effect or application on existing construction unless the term and time of application of such standards are specifically identified or specified in this code.

108.1.1.11 [For DSA - SS] Division of the State Architect - Structural Safety

Application - Public elementary and secondary schools, community college buildings, and state-owned or state-leased essential services buildings.

Enforcing Agency - DSA - SS

Authority Cited - Education Code § 17310 and 81142, and H&S Code §16022.

Reference - Education Code §§ 17280 through 17317, and 81130 through 81147, and H&S Code §§16000 through 16023.

The Division of the State Architect has been delegated the responsibility and authority by the Department of General Services to review and approve the design and observe the construction of public school buildings, and state-owned or state-leased essential services buildings.

The applicable building standards are as follows:

1. Administrative Regulations.

- 1.1 School Buildings; Sections 4-301 through 4-355, Group 1, Chapter 4, Part 1, Title 24, California Code of Regulations.
- 1.2 State-owned or State-leased Essential Services Buildings; Sections 4-201 through 4-249, Chapter 4, Part 1, Title 24, California Code of Regulations.

2. Technical Regulations.

Various model codes adopted by reference into the California Building Standards Code, Title 24, Parts 2, 3, 4, 5, 6, 7, 12, California Code of Regulations, for school buildings, and state-owned or state-leased essential services buildings.

The Division of the State Architect, in the performance of its duties, coordinates with other state offices as follows:

- 2.1 California Building Standards Commission
- 2.2 Office of Statewide Health Planning and Development
- 2.3 Office of the State Fire Marshal
- 2.4 Real Estate Services Division
- 2.5 Office of Public School Construction

119.0 Format [For DSA-SS] This part fundamentally adopts the UMC by reference on a chapter-by-chapter basis. Such adoption is reflected in the adoption table of each chapter of this part. When the adoption table of a chapter of this part makes no reference to a specific chapter of the UMC, such chapter of the UMC is not adopted as a portion of this code.

120.0 Validity [For DSA-SS] If any chapter section, subsection, sentence, clause or phrase of this code is for any reason held to be unconstitutional, contrary to statute, exceeding the authority of the state as stipulated by statutes, or otherwise inoperative, such decision shall not affect the validity of the remaining portion of this code.

121.0 Standard Reference Documents

121.1 [For DSA-SS] The codes, standards and publications adopted and set forth in this code, including other codes, standards and publications referred to therein are, by title and date of publication, hereby adopted as standard reference documents of this code.

Notation

Authority: Education Code Sections 17310, 81142; Health & Safety Code Section 16022

Reference(s): Education Code Sections 17280 - 17317, and 811130 - 81149; Health & Safety Code Sections 16000 – 16023

* * *

(END OF ITEM)

CHAPTER 2 - Definitions

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 2 (Definitions), and adopt entire 2003 edition UMC Chapter 2 as amended (amended sections listed below).

203.0 -A-

AUTHORITY HAVING JURISDICTION. The organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, installations, or procedures. The Authority Having Jurisdiction shall be a federal, state, local, or other regional department or an individual such as a plumbing official, mechanical official, labor department official, health department official, building official, or others having statutory authority. In the absence of a statutory authority, the authority having jurisdiction may be some other responsible party. This definition shall include the authority having jurisdiction's duly authorized representative. **[For DSA-SS]** See enforcing agency.

204.0 -B-

BUILDING CODE is the building code that is adopted by this jurisdiction. **[For DSA - SS]** For purpose of the California Mechanical Code, "Building Code" shall be the most recent edition of the California Building Code.

BUILDING OFFICIAL. See authority having jurisdiction. **[For DSA - SS]** For the State of California, "Building Official" shall be the "enforcing Agency" as specified in Section 108.

207.0 -E-

Enforcing Agency [For DSA - SS] is the designated department or agency as specified in statutes to enforce the specific building standards promulgated or adopted by the specified state agency.

215.0 -M-

Machinery Room [For DSA - SS] is a room in which a refrigeration system is permanently installed and operated but not including evaporators located in a cold storage room, refrigerator box, air-cooled space or other enclosed space. Closets solely contained within, and opening only into, a room shall not be considered machinery rooms, but shall be considered a part of the machinery rooms in which they are contained or open into. It is not the intent of this definition to cause the space in which unit or self-contained systems of Group I refrigerants are located to be classified as machinery rooms.

217.0 -O-

OCCUPANCY CLASSIFICATION [For DSA - SS] Shall be those as shown in the California Building Code, for the purpose of this code, certain occupancies are defined as follows...

223.0 -U-

UMC [For DSA - SS] is the most recent edition of the Uniform Mechanical Code published by the International Association of Plumbing and Mechanical Officials.

UMC STANDARDS [For DSA - SS] are the Uniform Mechanical Code Standards included in Appendix A of the most recent edition of the Uniform Mechanical Code published by the International Association of Plumbing and Mechanical Officials.

CHAPTER 3 - General Requirements

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 3 (General Requirements), and adopt entire 2003 edition UMC Chapter 3 as amended (amended sections listed below).

304.4.1 Anchorage and Support. [For DSA - SS] The anchorage and supporting structural elements for warm-air furnaces and heating systems, when installed in public schools, community colleges, state-owned and state-leased essential services buildings shall be designed to withstand lateral forces as required by the California Building Code.

CHAPTER 4 - Ventilation Air Supply

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 4 (Ventilation Air Supply), and adopt entire 2003 edition UMC Chapter 4 without amendment.

CHAPTER 5 - Exhaust Systems

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 5 (Exhaust Systems), and adopt entire 2003 edition UMC Chapter 5 as amended (amended sections listed below).

505.1.1 Anchorage and Support [For DSA - SS] The anchorage and supporting structural elements for ventilation and product-conveying systems, when installed in public schools, community colleges, state-owned or state-leased essential services buildings, shall be designed to withstand the lateral forces as required by the California Building Code, Title 24, Part 2.

CHAPTER 6 - Duct Systems

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 6 (Duct Systems), and adopt entire 2003 edition UMC Chapter 6 as amended (amended sections listed below).

605.3 [For DSA - SS] Cold-air ducts shall be insulated wherever necessary or to prevent condensation problems.

CHAPTER 7 - Combustion Air

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 7 (Combustion Air), and adopt entire 2003 edition UMC Chapter 7 without amendment.

CHAPTER 8 - Chimneys and Vents

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 8 (Chimneys and Vents), and adopt entire 2003 edition UMC Chapter 8 without amendment.

CHAPTER 9 - Installation of Specific Equipment

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 9 (Special Fuel-Burning and Energy-Utilizing Equipment), and adopt entire 2003 edition UMC Chapter 9 without amendment.

CHAPTER 10 - Steam and Hot Water Boilers

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 10 (Steam and Hot Water Boilers), and adopt entire 2003 edition UMC Chapter 10 without amendment.

CHAPTER 11 - Refrigeration

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 11 (Refrigeration), and adopt entire 2000 edition UMC Chapter 11 as amended (amended sections listed below).

1106.2.1 Anchorage and Support for Refrigeration Equipment and Cooling Towers. [For DSA - SS] The anchorage and supporting structural elements for refrigeration equipment and cooling towers, when installed in public school buildings, community colleges, state-owned or state-leased essential services buildings shall be designed to withstand the lateral forces as required by the California Building Code, Title 24, Part 2.

CHAPTER 12 - Hydronics

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 12 (Hydronics), and adopt entire 2003 edition UMC Chapter 12 as amended (amended sections listed below).

1201.2.6.3 Anchorage and Support. [For DSA - SS] The anchorage and supporting structural elements for steam and water piping systems, when installed in public school buildings, community colleges, state-owned or state-leased essential services buildings shall be designed to withstand the lateral forces as required by the California Building Code, Title 24, Part 2.

CHAPTER 13 - Fuel Piping

Model Code Adoption/Repeal: Adopt entire 2003 edition UMC Chapter 13 without amendment.

CHAPTER 14 - Process Piping

Model Code Adoption/Repeal: Adopt entire 2003 edition UMC Chapter 14 without amendment.

CHAPTER 15 - Solar Systems

Model Code Adoption/Repeal: Adopt entire 2003 edition UMC Chapter 15 without amendment.

CHAPTER 16 - Stationary Fuel Cell Power Plants

Model Code Adoption/Repeal: Adopt entire 2003 edition UMC Chapter 16 without amendment.

CHAPTER 17 - Standards

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Chapter 16 (Standards), and adopt entire 2003 edition UMC Chapter 17 without amendment.

APPENDIX A - Uniform Mechanical Code Standards 6-2 and 6-5

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Appendix A (Uniform Mechanical Code Standards), and adopt entire 2003 edition UMC Appendix A without amendment.

APPENDIX B - Procedures to be Followed to Place Gas Equipment in Operation

Model Adoption/Repeal: Appendix B is not adopted.

APPENDIX C - Installation and Testing of Oil (Liquid) Fuel-Fired Equipment

Model Code Adoption/Repeal: Appendix C is not adopted. Repeal entire 2000 edition UMC Appendix C (Sizing of Venting Systems Serving Appliances Equipped with Draft Hoods Appliances Listed for Use with Type B Vents).

APPENDIX D - Unit Conversion Tables

Model Code Adoption/Repeal: Repeal entire 2000 edition UMC Appendix D (Unit Conversion Tables), and adopt entire 2003 edition UMC Appendix D without amendments.

Notation

Authority: Education Code Sections 17310, 81142; Health & Safety Code Section 16022

Reference(s): Education Code Sections 17280 - 17317, and 811130 - 81149; Health & Safety Code Sections 16000 – 16023

* * *

(END OF ITEM)

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EXPRESS TERMS

ITEM 15-1
HCD 02/04
Part 4, Chapters 1 through 12, 13, 15, 16 & 17, Appendix A & D
APPROVED

MATRIX ADOPTION TABLE FOOTNOTE:

The ♦ designation indicates that the State Fire Marshal's adoption of a chapter or individual sections is applicable to structures subject to HCD 1 (See Section 108.1.1.8) and HCD 2 (See Section 108.1.1.9).

Department of Housing and Community Development
Proposed Final UMC 2003 Adoption Matrix / Chapter 1- Administration

Adopt only those sections listed below

2000 Amendment Number	2003 Amendment Number	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt only those sections listed below		X		X	
101.2	101.2 CA	X		X	
102.0	102.0 CA	X		X	
103.1	103.1 CA	X		X	
103.1.1.2	103.1.1.2 CA	X		X	
103.1.2	103.1.2 CA	X		X	
103.1.3	103.1.3 CA	X		X	
103.1.4	103.1.4 CA	X		X	
103.1.5	103.1.5 CA	X		X	
103.1.5.1	103.1.5.1 CA	X		X	
103.1.5.2	103.1.5.2 CA	X		X	
103.1.6	103.1.6 CA	X		X	
103.1.7	103.1.7 CA	X		X	
103.1.8	103.1.8 CA	X		X	
103.1.8.1	103.1.8.1 CA	X		X	
104.5.1	104.5.1 CA	X			
105.2	105.2 CA	X		X	
105.5	105.5 CA	X		X	
105.5.1	105.5.1 CA	X			
105.5.2	105.5.2 CA	X			
105.5.3	105.5.3 CA			X	
106.2	106.2 CA	X			
106.3	106.3 CA	X			

2000 Amendment Number	2003 Amendment Number	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt only those sections listed below		X		X	
106.4	106.4 CA	X		X	
108.1.1	108.1.1 CA	X		X	
108.1.1.8	108.1.1.8 CA	X			
108.1.1.8.1	108.1.1.8.1 CA		X		
108.1.1.9	108.1.1.9 CA			X	
108.3.1	108.3.1 CA	X		X	
108.3.1.1	108.3.1.1 CA	X			
108.3.1.2	108.3.1.2 CA			X	
108.3.1.3	108.3.1.3 CA	X			
108.6.1	108.6.1 CA	X			
	108.6.2 CA			X	
108.10	108.10 CA	X		X	
108.10.1	108.10.1 CA	X			
108.10.3	108.10.2 CA	X			
108.10.4	108.10.3 CA	X			
108.10.2	108.10.4 CA			X	
114.2.1.1	114.2.1.1 CA	X			
114.6	114.6 CA	X			
115.1.1	115.1.1 CA	X			

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix / Chapter 2 - Definitions
Adopt entire Chapter 2 with amendments

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter as amended (amendments listed below)		X		X	
201.0	201.0	X		X	
202.0	202.0	X		X	
203.0	203.0	X		X	
Administrative Authority CA					Removed from Chapter 2
Approved	Approved UMC	†		†	
Approved CA	Approved CA	X		X	
	Assembly Building UMC	†		†	
Assembly Building - Exception CA	Assembly Building CA	X		X	
	Authority Having Jurisdiction UMC	†		†	
	Authority Having Jurisdiction CA	X		X	
204.0	204.0	X		X	
Building CA	Building CA	X		X	
	Building Code UMC	†		†	
Building Code Exception CA	Building Code CA	X		X	
	Building Official UMC	†		†	
Building Official Exception CA	Building Official CA	X		X	.
205.0	205.0	X		X	
206.0	206.0	X		X	
Department CA	Department CA	X		X	
	Dwelling UMC	†		†	.
Dwelling Exception CA	Dwelling CA	X		X	
	Dwelling Unit UMC	†		†	.
Dwelling Unit Exception	Dwelling Unit CA	X		X	

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter as amended (amendments listed below)		X		X	
CA					
207.0	207.0	X		X	
	Electrical Code UMC	†		†	
Electrical Code Exception CA	Electrical Code CA	X		X	
Enforcing Agency CA	Enforcing Agency CA	X		X	
Enforcement Agency --- CA	Enforcement Agency --- CA	X		X	
208.0	208.0	X		X	
Fire Code UMC	Fire Code UMC	†		†	
209	209.0	X		X	
210	210.0	X		X	
211	211.0	X		X	
212	212.0	X		X	
213	213.0	X		X	
214.0 CA	214.0	X		X	
	Labeled UMC	†		†	
Labeled CA	Labeled CA	X		X	
Listed CA	Listed CA	X		X	
Listing Agency CA	Listing Agency CA	X		X	
215.0	215.0	X		X	
216.0	216.0	X		X	
Nuisance CA	Nuisance CA	X		X	
217.0	217.0	X		X	
Occupancy Classification - Note CA	Occupancy Classification Note CA	X		X	
218.0	218.0	X		X	
	Plumbing Code - UMC	†		†	
Plumbing Code - Exception CA	Plumbing Code - CA	X		X	
219.0	219.0	X		X	
220.0	220.0	X		X	

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter as amended (amendments listed below)		X		X	
221.0	221.0	X		X	
222.0	222.0	X		X	
Testing Agency CA	Testing Agency CA	X		X	
223.0	223.0	X		X	
UMC CA	UMC CA	X		X	
UMC Standards CA	UMC Standards CA	X		X	
224.0	224.0	X		X	
225.0	225.0	X		X	
226.0	226.0	X		X	
227.0	227.0	X		X	
228.0	228.0	X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix / Chapter 3 - General Requirements
Adopt entire Chapter 3 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter as amended (amendments listed below)		X		X	
	304.7	X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix / Chapter 4 – Ventilation Air Supply
Adopt entire Chapter 4 without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

Department of Housing and Community Development
 UMC 2003 Adoption Matrix Chapter 5- Exhaust Systems

Adopt entire Chapter 5 without amendments

2000 CA Amendments	2003CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

Department of Housing and Community Development
 Division of Codes and Standards

UMC 2003 Adoption Matrix / Chapter 6-Duct Systems

Adopt entire Chapter 6 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter as amended (amendments listed below)		X		X	
	601.2 CA	X		X	

Department of Housing and Community Development
 Division of Codes and Standards

UMC 2003 Adoption Matrix / Chapter 7-Combustion Air

Adopt entire Chapter 7 without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

Department of Housing and Community Development
 Division of Codes and Standards

UMC 2003 Adoption Matrix Chapter 8-Chimney and Vents

Adopt entire Chapter 8 without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Chapter 9- Installation of Specific Equipment
Adopt entire Chapter 9 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter as amended (amendments listed below)		X		X	
	904.1.1 (New) CA	X		X	
	904.1.2 (New) CA	X		X	
	904.1.2.1 (New) CA	X		X	
	904.1.2. 2(New) CA	X		X	
	904.1.2. 3 (New) CA	X		X	
	904.1.2. 4 (New) CA	X		X	
	904.1.2. 5 (New) CA	X		X	
	904.1.2. 6 (New) CA	X		X	
	904.10 (New) CA	X		X	
	904.10.1.2 (New) CA	X		X	
	904.10.1.4 (New) CA	X		X	
	904.10.1.5 (New) CA	X		X	
	904.10.1.6 (New) CA	X		X	
	904.10.3 (New) CA	X		X	
	904.10.3.5 (New) CA	X		X	
	904.10.3.6 (New) CA	X		X	
	904.10.3.7 (New) CA	X		X	
	904.10.3.7.1 (New) CA	X		X	
	904.10.3.7.2 (New) CA	X		X	
	904.10.3.7.3 (New) CA	X		X	
	904.10.3.7.4 (New) CA	X		X	
	904.10.3.7.5 (New) CA	X		X	
	904.10.3.7.6 (New) CA	X		X	
	904.10.3.8 (New) CA	X		X	
	904.10.3.8.1 (New) CA	X		X	
	904.10.3.8.2 (New) CA	X		X	
	904.10.3.8.3(New) CA	X		X	
	904.10.3.8.4 (New) CA	X		X	

	904.10.3.8.5 (New) CA	X		X	
	904.11.0 (New) CA	X		X	
	904.12 (New) CA	X		X	
	904.12.1 (New) CA	X		X	
	904.12.2 (New) CA	X		X	
	904.12.3 (New) CA	X		X	
	904.12.4 (New) CA	X		X	
	904.12.5 (New) CA	X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Chapter 10-Steam and Hot-Water Boilers

Adopt entire Chapter 10 without amendments

2000 CA Amendments	2003CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Chapter 11-Refrigeration

Adopt entire Chapter 11 without amendments

2000 CA Amendments	2003CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Chapter 12-Hydronics

Adopt entire Chapter 12 as amended

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter as amended (amendments listed below)		X		X	
1201.3.5.2 CA	1201.3.5.2 CA	X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Chapter 13-Fuel Piping
Adopt entire Chapter 13 without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Chapter 14-Process Piping
Chapter 14 is not adopted

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Not Adopted by HCD					Not adopted

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Chapter 15-Solar Systems
Adopt only those sections listed below

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt only those sections listed below		X		X	
1500 CA	1502.0 CA	X		X	Number Change
1501 CA	1503.0 CA	X		X	Number Change

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Chapter 16-Stationary Fuel Cell Power Plants
Adopt entire Chapter 16 without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Chapter 17-Standards
Adopt entire Chapter 17 without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Appendix A – UMC Standards 6-2 and 6-5
Adopt entire Appendix A without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Appendix without amendments		X		X	

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Appendix B,
Procedures to be Followed to Place Gas Equipment in Operation
Appendix B is not adopted

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Not Adopted by HCD					Not adopted

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Appendix C
Installation and Testing of Oil (Liquid) Fuel-Fired Equipment
Appendix C, is not adopted

2000CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Not Adopted by HCD					

Department of Housing and Community Development
Division of Codes and Standards
UMC 2003 Adoption Matrix Appendix D – Unit Conversion Tables

Adopt entire Appendix D without amendments

2000 CA Amendments	2003 CA Amendments	HCD 1 Adoption	HCD 1/AC	HCD 2 Adoption	Comments
Adopt entire UMC Chapter without amendments		X		X	

* * *
(END OF ITEM)

ITEM 15-2
HCD 02/04
Part 4

APPROVED

CHAPTER 1 - ADMINISTRATION

Note: *Adopt only those sections listed below*

101.2 [For HCD 1 & HCD 2] Title – California Mechanical Code. *This document shall be known as the “California Mechanical Code.” Where a reference to the Uniform Mechanical Code or UMC appears in the text of this code, the reader shall understand the reference to be to the California Mechanical Code at Part 4 of Title 24, California Code of Regulations. The provisions contained in the California Mechanical Code of the (compiled) California Building Standards Code, Title 24, California Code of Regulations as defined in Health and Safety Code Section 18910, may be cited as such and are referred to hereafter as these regulations, “these mechanical standards” or “this code.”*

102.0 Purpose

The purpose of this code is to provide minimum standards to safeguard life or limb, health, property and public welfare by regulating and controlling the design, construction, installation, quality of materials, location, operation, and maintenance or use of heating, ventilating, cooling, refrigeration systems, incinerators and other miscellaneous heat-producing appliances within this jurisdiction **[For HCD 1 & HCD 2] for the State of California [For HCD 1 & HCD 2] and local enforcement agencies.**

The purpose of this code is not to create or otherwise establish or designate any particular class or group of persons who will or should be especially protected or benefited by the terms of this code.

103.1 Applicability. The provisions of this code shall apply to the erection, installation, alteration, repair, relocation, replacement, addition to, use or maintenance of any heating, ventilating, cooling, refrigeration systems, incinerators or other miscellaneous heat-producing appliances within this jurisdiction: **[For HCD 1 & HCD 2] for the State of California [For HCD 1 & HCD 2] and local enforcement agencies.**

Additions, alterations, repairs to and replacement of equipment or systems shall comply with the provisions for new equipment and systems, except as otherwise provided in Section 104.0 of this code.

Exception [For HCD 1] Additions, Alterations or Repairs. *The alteration, repairs, replacement, occupancy, use and maintenance provisions are superseded, in part, by State Housing Law, Health and Safety Code, Division 13, Part 1.5, Sections 17912, 17920.3, 17922 (c), 17958.8 and 17958.9 and California Code of Regulations, Title 25, Chapter 1 (commencing with Section 1). Health and Safety Code Section 17958.8 is repeated here for clarity and reads as follows:*

~~**Section 17958.8** Local ordinances or regulations governing alterations and repair of existing buildings shall permit the replacement, retention, and extension of original materials and the use of original methods of construction as long as the hotel, lodging house, motel, apartment house, or dwelling, or portions thereof, or building and structure accessory thereto, complies with the provisions published in the State Building Standards Code and the other rules and regulations of the department or alternative local standards adopted pursuant to Section 17920.7 and does not become or continue to be a substandard building.~~

Section 17958.8. *Local ordinances or regulations governing alterations and repair of existing buildings shall permit the replacement, retention, and extension of original materials and the use of original methods of construction for any building or accessory structure subject to this part, including a hotel, lodginghouse, motel, apartment house, or dwelling, or portions thereof, as long as the portion of the building and structure subject to the replacement, retention, or extension of original materials and the use of original methods of construction complies with the building code provisions governing that portion of the building or accessory structure at the time of construction, and the other rules and regulations of the department or alternative local standards governing that portion at the time of its construction and adopted pursuant to Section 13143.2 and the building or accessory structure does not become or continue to be a substandard building.*

Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall be applicable.

[For HCD 1 & HCD 2] *Mechanical standards in the code shall have no retroactive or retrospective effect or application on existing construction unless the term and time of application of such standards are specifically identified or specified in this code and California law.*

The design and testing of equipment regulated by this code shall be subject to the approval of the Authority Having Jurisdiction **[For HCD 1 & HCD 2]** *enforcing agency provided in section 108.1.1.*

The standards contained in Appendix A shall be considered as part of this code. Appendix B and C contain recommended practices which shall not apply unless specifically adopted. Appendix D contains conversion tables and a table for determining the approximate minimum thickness for carbon sheet metal.

103.1.1.2 [For HCD 1 & HCD 2] Effective Date. *One hundred and eighty days after the date of publication, or as otherwise noted herein.*

103.1.2 [For HCD 1 & HCD 2] Availability of Codes. *A subsection of Health and Safety Code Section 18942 is repeated here for clarity and reads as follows:*

Section 18942(d)

(1) Each city, county, and city and county, including charter cities, shall obtain and maintain with all revisions on a current basis, at least one copy of the building standards and other state regulations relating to buildings published in Titles 8, 19, 20, 24, and 25 of the California Code of Regulations. These codes shall be maintained in the office of the building official responsible for the administration and enforcement of this part.

(2) This subdivision shall not apply to any city or county which contracts for the administration and enforcement of the provisions of this part with another local government agency which complies with this section.

103.1.3 [For HCD 1 & HCD 2] Applicability to Occupancy Groups. *The provisions of the model code, which are adopted by this Code, are applicable to all occupancy groups and uses regulated by this code. The amendments to the model code are applicable only to those occupancies or uses which the state agency adopting the amendments is authorized to regulate as listed in Section 108.1.1.*

103.1.4 [For HCD 1 & HCD 2] Conflicts Between Codes. *When the requirements of this code conflict with the requirements of the California Building Code, Title 24, Part 2, the most restrictive requirement shall prevail. ~~When the requirements of this code conflict with the requirements of the California Plumbing Code, this code shall prevail.~~*

103.1.5 [For HCD 1 & HCD 2] Non-Building Regulations. *Requirements contained in the U.M.C., or in any other referenced standard, code, or documents, which are not building standards as defined in Health and Safety Code Section 18909, shall not be construed as part of the provisions of this code.*

103.1.5.1 [For HCD 1 & HCD 2] *For the applicability of regulations relating to maintenance, operation, use, limitations or prohibitions, and similar non-building regulations, see other Titles of the California Code of Regulation.*

103.1.5.2 [For HCD 1 & HCD 2] *For the applicability of regulations relating to maintenance, operation, use, limitations or prohibitions, and similar non-building regulations, see Title 25, California Code of Regulations, Chapter 1 (commencing with Section 1).*

103.1.6 [For HCD 1 & HCD 2] Validity. *If any chapter, section, subsection, sentence, clause or phrase of this code is for any reason held to be unconstitutional, contrary to statute, exceeding the authority of the State as stipulated by statutes, or otherwise inoperative, such decision shall not affect the validity of the remaining portion of this code.*

103.1.7 [For HCD 1 & HCD 2] Format. This part fundamentally adopts the U.M.C. by reference on a chapter-by-chapter basis. Such adoption is reflected in the adoption tables of each chapter of this part. When the adoption table of a chapter of this part makes no reference to a specific chapter of the U.M.C., such chapter of the U.M.C. is not adopted as a portion of this code.

103.1.8 [For HCD 1 & HCD 2] STANDARD REFERENCE DOCUMENTS

103.1.8.1 [For HCD 1 & HCD 2] Codes and Standards Adoption. The codes, standards and publications, adopted and set forth in this code, including other codes, standards and publications referred to therein, are by title and date of publication, hereby adopted as standard reference documents of this code.

104.5 Moved Buildings. [Not adopted by HCD] Mechanical systems or equipment which are a part of buildings or structures moved into or within this jurisdiction shall comply with the provisions of this code for new installations.

104.5.1 [For HCD 1] Moved Buildings. Moving of apartment houses and dwellings. Health and Safety Code Section 17958.9 is repeated here for clarity and reads as follows:

Section 17958.9 Local ordinances or regulations governing the moving of apartment houses and dwellings shall, after July 1, 1978, permit the retention of existing materials and methods of construction so long as the apartment house or dwelling complies with the building standards for foundation applicable to new construction, and does not become or continue to be a substandard building.

105.1 Alternate Materials and Methods of Construction [Not adopted by HCD]

The provisions of this code are not intended to prevent the use of any material or method of construction not specifically prescribed by this code, provided any such alternate has been approved and the use authorized by the Authority Having Jurisdiction.

However, the exercise of this discretionary approval by the Authority Having Jurisdiction shall have no effect beyond the jurisdictional boundaries of said Authority Having Jurisdiction. Any alternate material or method of construction so approved shall not be considered as conforming to the requirements and/or intent of this Code for any purpose other than installation or use within the jurisdiction granting the exception.

The Authority Having Jurisdiction may authorize any alternate, provided the Authority Having Jurisdiction finds the proposed design is satisfactory for the intended use and complies with the provisions of this code and that the material, method or work offered is, for the purpose intended, at least equivalent to that prescribed by this code in suitability, strength, effectiveness, fire resistance, durability and safety.

The Authority Having Jurisdiction shall require sufficient evidence or proof be submitted to substantiate any claims made regarding the use of alternates. The details of any action granting approval of an alternate shall be recorded and shall be entered in the files of the code enforcement agency.

105.2 [For HCD 1 & HCD 2] Order of Precedence. Where in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern. When there is a conflict between a general and a specific requirement, the specific requirement shall apply.

Mechanical standards in the code shall have no retroactive or retrospective effect or application on existing construction unless the term and time of application of such standards are specifically identified or specified in this code.

105.5 [For HCD 1 & HCD 2] Alternate for materials, designs, tests and methods of construction.

105.5.1 [For HCD 1] Notwithstanding other provisions of law, the method for approval of alternate materials, design, tests and methods of construction by local building departments are set forth in State Housing Law, Health and Safety Code, Division 13, Section 17951 (d) and California Code of Regulations, Title 25, Division 1, Chapter 1. The applicable subsections of Health and Safety Code Section 17951(d) are repeated here for clarity and reads as follows:

Section 17951(d).

~~(2) The building department of any city or county may approve an alternate if it finds that the proposed design is satisfactory and that the material, appliance, installation, device, arrangement, method, or work offered is, for the purpose intended, at least the equivalent of that prescribed in the California Building Standards Code or this part in performance, safety, and for the protection of life and health.~~

(2) The building department of any city or county may approve an alternate material, appliance, installation,

device, arrangement, method, or work on a case-by-case basis if it finds that the proposed design is satisfactory and that each such material, appliance, installation, device, arrangement, method, or work offered is, for the purpose intended, at least the equivalent of that prescribed in the California Building Standards Code or this part in performance, safety, and for the protection of life and health.

(3) The building department of any city or county shall require evidence that any material, appliance, installation, device, arrangement, or method of construction conforms to, or that the proposed alternate is at least equivalent to, the requirements of this part, building standards published in the California Building Standards Code, or the other rules and regulations promulgated pursuant to this part and in order to substantiate claims for alternates, the building department of any city or county may require tests as proof of compliance to be made at the expense of the owner or the owner's agent by an approved testing agency selected by the owner or the owner's agent.

NOTE: [For HCD 2] Refer to Title 24, Part 4, Section 108.10.

105.5.2 [For HCD 1] Notwithstanding other provisions of law, the method for approval of alternate materials, appliances, installation, device, arrangement, or method of construction are set forth in the Employee Housing Act, Health and Safety Code, Section 17002 and California Code of Regulations, Title 25, Division 1, Chapter 1. Health and Safety Code Section 17002 is repeated here for clarity and reads as follows:

Section 17002. The provisions of this part are not intended to prevent the use of any material, appliance, installation, device, arrangement, or method of construction not specifically prescribed by this part if such alternate has been approved by the Department of Housing and Community Development.

The Department of Housing and Community Development may approve any such alternate if it finds that the proposed design is satisfactory and that the material, appliance, installation, device, arrangement, or method of construction offered is, for the purpose intended, at least the equivalent of that prescribed in this part in quality, strength, effectiveness, fire resistance, durability and safety, for the protection of life and health.

This section shall not apply to a local ordinance, which is applicable pursuant to Section 17001.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

* * *

(END OF ITEM)

**ITEM 15-3
HCD 02/04
Part 4**

APPROVED

105.5.3 [For HCD 2] Notwithstanding other provisions of law, the method for approval of alternate materials, appliances, installation, device, arrangement, or method of construction ~~are~~ is set forth in the Mobilehome Parks Act, Health and Safety Code, Section 18305 and California Code of Regulations, Title 25, Division 1, Chapter 2 commencing with Section 1000 for mobilehome parks and the Special Occupancy Parks Act, Health and Safety Code, Section 18865.6 and California Code of Regulations, Title 25, Division 1, Chapter 2.2 commencing with Section 2000 for special occupancy parks. The applicable subsections of Health and Safety Code Section 18305 and 18865.6 are repeated here for clarity and reads as follows:

Section 18305.

(a) This part is not intended to prevent the use of any material, appliance, installation, device, arrangement, or method of construction not specifically prescribed by this part and the rules and regulations adopted pursuant to this part, if the alternate used has been approved.

(b) The department may approve any alternate if it finds that the proposed design is satisfactory and that the material, appliance, installation, device, arrangement, method, or work offered is, for the purpose intended, at least the equivalent to that prescribed in this part and the rules and regulations adopted pursuant to this part in quality, strength, effectiveness, fire resistance, durability, safety, and for the protection of life and health.

(c) Whenever there is evidence that any material, appliance, installation, device, arrangement, or method of construction does not conform to the requirements of this part and the rules and regulations promulgated pursuant to this part, or in order to substantiate claims for alternates, the department may require proof of compliance to be made at the expense of the owner or his or her agent.

(d) The department shall notify the appropriate enforcement agency and plan checking agency of its findings.

(e) This section is not applicable to local regulations authorized by this part.

Section 18865.6.

(a) This part is not intended to prevent the use of any material, appliance, installation, device, arrangement, or method of construction not specifically prescribed by this part and the rules and regulations adopted pursuant to this part, if the alternate use has been approved.

(b) The department may approve any alternate use if it finds that the proposed design is satisfactory and that the material, appliance, installation, device, arrangement, method, or work offered is, for the purpose intended, at least the equivalent to that prescribed in this part and the rules and regulations adopted pursuant to this part in quality, strength, effectiveness, fire resistance, durability, safety, and for the protection of life and health.

(c) Whenever there is evidence that any material, appliance, installation, device, arrangement, or method of construction does not conform to the requirements of this part and the rules and regulations promulgated pursuant to this part, or in order to substantiate claims for alternates, the department may require proof of compliance to be made at the expense of the owner or his or her agent.

(d) The department shall notify the appropriate enforcement agency and plan checking agency of its findings.

(e) This section is not applicable to local regulations authorized by this part.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

* * *

(END OF ITEM)

ITEM 15-4
HCD 02/04
Part 4

APPROVED

106.2 [For HCD 1] Local Variances. Health and Safety Code Section 17958.5 is repeated here for clarity and reads as follows:

Section 17958.5. Except as provided in Section 17922.6, in adopting the ordinances or regulations pursuant to Section 17958, a city or county may make such changes or modification in the requirements contained in the provisions published in the California Building Standards Code and the other regulations adopted pursuant to Section 17922 as it determines, pursuant to the provisions of Section 17958.7, are reasonably necessary because of local climatic, geological, or topographical conditions.

For purposes of this subdivision, a city and county may make reasonably necessary modifications to the requirements, adopted pursuant to Section 17922, contained in the provisions of the code and regulations on the basis of local conditions.

106.3 [For HCD 1] Findings; Filings; and Rejections of Local Variances Modifications. The applicable subsections of Health and Safety Code Section 17958.7 are repeated here for clarity and reads as follows:

Section 17958.7

(a) Except as provided in Section 17922.6, the governing body of a city or county, before making any

modifications or changes pursuant to Section 17958.5, shall make an express finding that such modifications or changes are reasonably necessary because of local climatic, geological or topographical conditions. Such a finding shall be available as a public record. A copy of those findings, together with the modification or change expressly marked and identified to which each finding refers, shall be filed with the California Building Standards Commission. No modification or change shall become effective or operative for any purpose until the finding and the modification or change have been filed with the California Building Standards Commission.

(b) The California Building Standards Commission may reject a modification or change filed by the governing body of a city or county if no finding was submitted.

106.4 [For HCD 1 & HCD 2] Ratification by City Council and County Board of Supervisors. The applicable subsections of Health and Safety Code Section 13869.7 are repeated here for clarity and reads as follows:

Section 13869.7

(a) Any fire-protection district organized pursuant to Part 2.7 (commencing with Section 13800) of Division 12 may adopt building standards relating to fire and panic safety that are more stringent than those building standards adopted by the State Fire Marshal and contained in the California Building Standards Code. For these purposes, the district board shall be deemed a legislative body and the district shall be deemed a local agency. Any changes or modifications that are more stringent than the requirements published in the California Building Standards Code relating to fire and panic safety shall be subject to subdivision (b) of Section 18941.5.

(b) Any fire protection district that proposes to adopt an ordinance pursuant to this section shall, not less than 30 days prior to noticing a proposed ordinance for public hearing, provide a copy of that ordinance, together with the adopted findings made pursuant to subdivision (a), to the city, county, or city and county where the ordinance apply. The city, county, or city and county, may provide the district with written comments, which shall become a part of the fire protection district's public hearing record.

(c) The fire protection district shall transmit the adopted ordinance to the city, county, or city and county where the ordinance will apply. The legislative body of the city, county, or city and county, may ratify, modify, or deny an adopted ordinance and transmit its determination to the district within 15 days of the determination. Any modification or denial of an adopted ordinance shall include a written statement describing the reasons for any modifications or denial. No ordinance adopted by the district shall be effective until ratification by the city, county, or city and county where the ordinance will apply. Upon ratification of an adopted ordinance, the city, county, or city and county, shall file a copy of the findings of the district, and any findings of the city, county, or city and county, together with the adopted ordinance expressly marked and identified to which each finding refers, with the Department of Housing and Community Development.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

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(END OF ITEM)

ITEM 15-5
HCD 02/04
Part 4

APPROVED

108.1.1 [For HCD 1 & HCD 2] Vesting Authority. When adopted by a ~~state~~ State agency, the provisions of this Code shall be enforced by the appropriate enforcing agency, but only to the extent of authority granted to such agency by the State Legislature.

Following is a list of the state agencies that adopt building standards or on whose behalf building standards are adopted, the specific scope of application of the agency responsible for enforcement, and the specific statutory authority of each agency to propose or adopt and enforce those building standards, unless otherwise stated.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

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(END OF ITEM)

ITEM 15-6
HCD 02/04
Part 4

APPROVED

108.1.1.8 [For HCD-1] ~~Department of Housing and Community Development.~~

HCD — Department of Housing and Community Development

108.1.1.8.1 [For HCD 1]

HCD 1 — Department of Housing and Community Development

Application — Hotels, motels, timeshares, lodging houses, apartment houses, dwellings, dormitories, condominiums, shelters for homeless persons, congregate residences, employee housing, factory-built housing, and any other type types of dwelling dwellings containing sleeping accommodations with or without common toilet or cooking facilities. Refer to Section 108.1.1.13 of this code, for Office of the State Fire Marshall Marshal, for fire and panic safety application.

Enforcing Agency—Local building department or the Department of Housing and Community Development.

Authority—H&SC §17921, 17922, 19990, and 42 US Code Section 3601, et seq.

Reference—H&SC §17000 through 17060, 17910 through 17990, and 19960 through 19997.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

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(END OF ITEM)

ITEM 15-7
HCD 02/04
Part 4

APPROVED

108.1.1.8.12 [For HCD 1/AC] ~~Department of Housing and Community Development — Access Compliance.~~

HCD 1/AC — Department of Housing and Community Development – Access Compliance.

Application—Whenever the identification “HCD 1/AC” appears in this code, it shall mean the Department of Housing and Community Development requires specific accommodations for persons with “physical disabilities,” as defined in Chapter 11A of the California Code of Regulations, Title 24, Part 2, Section 1102A.16 P, also known as the California Building Code. The application of this Code, shall apply only to “Covered Multifamily Dwellings,” as defined in Chapter 11A of the California Building Code, Section 1102A.3 C, including but not limited to the following:

- 1.—Apartment buildings with 3 or more dwelling units.*
- 2.—Condominiums with 4 or more dwelling units.*
- 3.—Lodging houses, as defined in Section 213 of the California Building Code, when used as a*

~~residence with 3 or more guest rooms.~~

- ~~4. Congregate residences, as defined in Section 204 of the California Building Code.~~
- ~~5. Dwellings with 3 or more efficiency units, as defined in Section 205 of the California Building Code or Health and Safety Code Section 17958.1.~~
- ~~6. Shelters for the homeless not otherwise subject to the disabled access regulations of the Division of the State Architect — Access Compliance (commencing with Section 1111B of the California Building Code).~~
- ~~7. Dormitories, as defined in Section 205 of the California Building Code.~~
- ~~8. Time Share Dwellings with 3 or more units, except for condominiums covered in item number 2 above.~~
- ~~9. Other Group R Occupancies in multifamily dwellings, which are established by the Office of the State Fire Marshal (commencing with Section 310 of the California Building Code).~~

~~The HCD 1/AC disabled access regulations do not apply to the alteration, repair, rehabilitation, or additions to existing Group R Occupancies that were constructed and occupied prior to July 15, 1992. The HCD 1/AC regulations generally do not cover public accommodation occupancies, such as hotels and motels.~~

~~Buildings or portions of buildings of the same or similar occupancies, or mixed occupancies, and buildings accessory to them, also may be subject to the disabled access regulations adopted by the Division of the State Architect — Access Compliance.~~

~~Enforcing Agency — Local building department or the Department of Housing and Community Development.~~

~~Application— Covered multifamily dwelling units and common use areas as defined in Chapter 11A of the California Building Code including but not limited to lodging houses, dormitories, timeshares, condominiums, shelters for homeless persons, congregate residences, apartment houses, dwellings, employee housing, factory-built housing and other types of dwellings containing sleeping accommodations with or without common toilet or cooking facilities which are not transient lodging as defined in Chapter 11A of the California Building Code and subject to the requirements of the Division of the State Architect, Access Compliance (DSA/AC).~~

~~**NOTE:** Accessibility requirements for persons with disability are located in Chapter 11A of the California Building Code.~~

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

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(END OF ITEM)

ITEM 15-8
HCD 02/04
Part 4

APPROVED

108.1.1.9 [For HCD 2] Department of Housing and Community Development.

HCD 2 — Department of Housing and Community Development.

Application - Permanent buildings and permanent accessory buildings and structures constructed within mobilehome parks or special occupancy parks; which are permanent facilities under the control and ownership of the park

operator.

Enforcing Agency—Local building department; other local agency responsible for the enforcement of Health and Safety Code Sections 18200 through 18700 and 18860 through 18874; or the Department of Housing and Community Development.

Authority Cited—H&SC §§ 18300 and 18865.

Reference—H&SC §§18000 through 18700 and 18860 through 18874.

108.3.1[For HCD 1 & HCD 2] RIGHT OF ENTRY FOR ENFORCEMENT

108.3.1.1 [For HCD 1]. Authority to Enter and Inspect Premises. Health and Safety Code Sections 17050(i) and 17970 are repeated here for clarity and reads as follows:

Section 17050(i). The enforcement agency may:

(1) Enter public or private properties to determine whether there exists any employee housing to which this part applies.

(2) Enter and inspect all employee housing wheresoever situated, and inspect all accommodations, equipment, or paraphernalia connected therewith.

(3) Enter and inspect the land adjacent to the employee housing to determine whether the sanitary and other requirements of this part, the building standards published in the California Building Standards Code relating to employee housing, and the other rules and regulations adopted pursuant to this part have been or are being complied with.

Section 17970. Any officer, employee, or agent of an enforcement agency may enter and inspect any building or premises whenever necessary to secure compliance with, or prevent a violation of, any provision of this part, the building standards published in the [California] State Building Standards Code, and other rules and regulations promulgated pursuant to the provisions of this part which the enforcement agency has the power to enforce.

108.3.1.2 [For HCD 2] Authority to Enter and Inspect Premises. The applicable subsections of Health and Safety Code Sections 18400 and 18866 are repeated here for clarity and reads as follows:

Section 18400.

(a) The department shall enforce this part and the rules and regulations adopted pursuant to this part, except as provided in Section 18300.

(b) The officers or agents of the enforcement agency may do either of the following:

(1) Enter public or private property to determine whether there exists any park to which this part applies.

(2) Enter and inspect all parks, wherever situated, and inspect all accommodations, equipment, or paraphernalia used in connection therewith, including the right to examine any registers of occupants maintained therein in order to secure the enforcement of this part and the regulations adopted pursuant to this part.

Section 18866.

(a) The department shall enforce this part and the rules and regulations adopted pursuant to this part, except as provided in Section 18865.

(b) The officers or agents of the enforcement agency may do either of the following:

(1) Enter public or private property to determine whether there exists any park to which this part applies.

(2) Enter and inspect all parks, wherever situated, and inspect all accommodations, equipment, or paraphernalia used in connection therewith, including the right to examine any registers of occupants maintained therein in order to secure the enforcement of this part and the regulations adopted pursuant to this part.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

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(END OF ITEM)

108.3.1.3 [For HCD 1] Limitations on Authority to Enter. Notwithstanding other sections of law, Health and Safety Code Section 17972 is repeated here for clarity and reads as follows:

Section 17972. No person authorized by this article to enter buildings shall enter any dwelling between the hours of 6 o'clock p.m. of any day and 8 o'clock a.m. of the succeeding day, without the consent of the owner or of the occupants of the dwelling, nor enter any dwelling in the absence of the occupants without a proper written order executed and issued by a court having jurisdiction to issue the order.

108.6.1 [For HCD 1] ~~Enforcement Authority to Condemn~~. Administrative actions, enforcement proceedings, nuisance abatements, violation notifications, and penalties shall comply with the requirements of State Housing Law, contained in Health and Safety Code Sections 17910 through 17995.5 and California Code of Regulations, Title 25, Division 1, Chapter 1 (commencing with Section 1).

108.6.2 [For HCD 2] Enforcement Authority. Administrative actions, enforcement proceedings, nuisance abatements, violation notifications, and penalties shall comply with the requirements of the Mobilehome Parks Act, contained in Health and Safety Code Sections 18200 through 18700 and California Code of Regulations, Title 25, Division 1, Chapter 2 (commencing with Section 1000) for and the Special Occupancy Parks Act, California Health and Safety Code, Division 13, Part 2.3 (commencing with Section 18860) and California Code of Regulations, Title 25, Division 1, Chapter 2.2 (commencing with Section 2000).

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

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(END OF ITEM)

108.10 [For HCD 1 & HCD 2] AUTHORITY OF CITY AND COUNTY BUILDING DEPARTMENTS

108.10.1 [For HCD 1] General - State Housing Law. Health and Safety Code Section 17960 is repeated for clarity and reads as follows:

Section 17960. The building department of every city or county shall enforce within its jurisdiction all the provisions published in the State [California] Building Standards Code, the provisions of this part, and the other rules and regulations promulgated pursuant to the provisions of this part pertaining to the erection, construction, reconstruction, movement, enlargement, conversion, alteration, repair, removal, demolition, or arrangement of apartment houses, hotels, or dwellings.

NOTE: [For HCD 1] See Section 108.1.1.8 of this code.

~~Subsection 108.10.2 [For HCD 2] General – Mobile Home Park Act~~

~~Refer to the Mobile home Parks Act, California Health and Safety Code, Division 13, Part 2.1 (commencing with Section 18200) and California Code of Regulations, Title 25, Division 1, Chapter 2 (commencing with Section 1000) for mobile home park administrative and enforcement authority, permits, plans, fees, violations, inspections, and penalties.~~

~~NOTE: [For HCD 2]~~ ~~See Section 108.1.1.9 of the code.~~

~~108.10.3 108.10.2 [For HCD 1] General - Employee Housing Act.~~

~~Refer to the Employee Housing Act, California Health and Safety Code, Division 13, Part 1 (commencing with Section 17000) and California Code of Regulations, Title 25, Division 1, Chapter 1 (commencing with Section 600) for employee housing administrative and enforcement authority, permits, fees, violations, inspections, and penalties.~~

NOTE: [For HCD 1] See Section 108.1.1.8 of this code.

~~108.10.4~~ 108.10.3 [For HCD 1] General - Factory-Built Housing.

Refer to the California Factory-Built Housing Law, California Health and Safety Code, Division 13, Part 6 (commencing with Section 19960) and the California Code of Regulations, Title 25, Division 1, Chapter 3 (commencing with Section 3000) for factory-built housing administrative and enforcement authority, permits, fees, violations, inspections and penalties.

NOTE: [For HCD 1] See Section 108.1.1.8 of this code.

108.10.4 [For HCD 2] General - Mobilehome Parks Act and Special Occupancy Parks Act. Refer to the Mobilehome Parks Act, California Health and Safety Code, Division 13, Part 2.1 (commencing with Section 18200) and California Code of Regulations, Title 25, Division 1, Chapter 2 (commencing with Section 1000) for mobilehome park administrative and enforcement authority, permits, plans, fees, violations, inspections, and penalties. Refer to the Special Occupancy Parks Act, California Health and Safety Code, Division 13, Part 2.3 (commencing with Section 18860) and California Code of Regulations, Title 25, Division 1, Chapter 2.2 (commencing with Section 2000) for special occupancy park administrative and enforcement authority, permits, plans, fees, violations, inspections, and penalties.

NOTE: [For HCD 2] See Section 108.1.1.9 of the code.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

* * *

(END OF ITEM)

ITEM 15-11
HCD 02/04
Part 4

APPROVED

114.2.1.1 [For HCD 1] Retention of Plans. Refer to Building Standards Law, Health and Safety Code Sections 19850 and 19851, for permanent retention of plans.

114.6 [For HCD 1] Permit Issuance. Health and Safety Code Section 17960.1 is repeated here for clarity and reads as follows:

Section 17960.1

(a) The governing body of a local agency may authorize its enforcement agency to contract with or employ a private entity or persons on a temporary basis to perform the plan-checking function.

(b) A local agency need not enter into a contract or employ persons if it determines that no entities or persons are available or qualified to perform the plan-checking services.

(c) Entities or persons employed by a local agency may, pursuant to agreement with the local agency, perform all functions necessary to check the plans and specifications to comply with other requirements imposed pursuant to this part or by local ordinances adopted pursuant to this part, except those functions reserved by this part or local ordinance to the legislative body. A local agency may charge the applicant fees in an amount necessary to defray costs directly attributable to employing or contracting with entities or persons performing services pursuant to this section which the applicant requested.

(d) When there is an excessive delay in checking plans and specifications submitted as a part of an application for a residential building permit, the local agency shall, upon request of the applicant, contract with or employ a private entity or persons on a temporary basis to perform the plan-checking function subject to subdivisions (b) and (c).

(e) For purposes of this section:

(1) "Enforcement agency" means the building department or building division of a local agency.

(2) "Excessive delay" means the enforcement agency of a local agency has taken either of the

following:

(A) More than 30 days after submittal of a complete application to complete the structural building safety plan check of the applicant's set of plans and specifications, which are suitable for checking. For a discretionary building permit, the time period specified in this paragraph shall commence after certification of the environmental impact report, adoption of a negative declaration, or a determination by the local agency that the project is exempt from Division 13 (commencing with Section 21000) of the Public Resources Code.

(B) Including the days actually taken in (A), more than 45 days to complete the checking of the resubmitted corrected plans and specifications suitable for checking after the enforcement agency had returned the plans and specifications to the applicant for correction.

(3) "Local agency" means a city, county, or city and county.

(4) "Residential building" means a one-to-four family detached structure not exceeding three stories in height.

NOTE: For plan checking of related "Employee Housing," as defined in HSC 17008, refer also to HSC 17021(b) [Effective January 1, 2001]

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

* * *

(END OF ITEM)

ITEM 15-12
HCD 02/04
Part 4

APPROVED

115.1.1 [For HCD 1] Fees. The applicable subsections of Health and Safety Code Section 17951 is are repeated here for clarity and reads as follows:

Section 17951

~~(a) The governing body of any county or city, including a charter city, may prescribe fees for permits, certificates, or other forms or documents required or authorized by this part or rules and regulations promulgated pursuant thereto.~~

~~(b) The governing body of any county or city, including a charter city, or fire protection district, may prescribe fees to defray the costs of enforcement required by this part to be carried out by local enforcement agencies.~~

~~(c) The amount of the fees prescribed pursuant to subdivisions (a) and (b) of this section shall not exceed the amount reasonably required to administer or process these permits, certificates, or other forms or documents, or to defray the costs of enforcement required by this part to be carried out by local enforcement agencies, and shall not be levied for general revenue purposes. The fees shall be imposed pursuant to Section 66016 of the Government Code.~~

Section 17951

(a) The governing body of any county or city, including a charter city, may prescribe fees for permits, certificates, or other forms or documents required or authorized by this part or rules and regulations adopted pursuant to this part.

(b) The governing body of any county or city, including a charter city, or fire protection district, may prescribe fees to defray the costs of enforcement required by this part to be carried out by local enforcement agencies.

(c) The amount of the fees prescribed pursuant to subdivisions (a) and (b) shall not exceed the amount reasonably required to administer or process these permits, certificates, or other forms or documents, or to defray the costs of enforcement required by this part to be carried out by local enforcement agencies, and shall not be levied for general revenue purposes. The fees shall be imposed pursuant to Section 66016 of

the Government Code.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300 and Government Code Section 12955.1.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997 and Government Code Section 12955.1.

* * *

(END OF ITEM)

ITEM 15-13
HCD 02/04
Part 4

APPROVED

CHAPTER 2 – DEFINITIONS

Note: *Adopt entire chapter as amended.*

203.0

-A-

APPROVED. [Not adopted by HCD] Acceptable to the Authority Having Jurisdiction.

Approved [For HCD 1 & HCD 2] *Health and Safety Code Section 17920(a) is repeated here for clarity and reads as follows:*

Section 17920(a). “Approved” means acceptable to the Department.

Exception: “Approved” also means meeting the approval of the enforcement agency, except as otherwise provided by statute, when used in connection with any system, material, type of construction, fixture, or appliance as the result of investigations and tests conducted by the agency, or by reason of accepted principles or tests by national authorities, technical, health, or scientific organizations or agencies.

NOTES: 1 See Health and Safety Code Section 19966 for “approved” as applied to Factory Built Housing as referenced in Section 108.1.1.8 of this code.

2. See Health and Safety Code Section 18201 for “approved” as applied to Mobilehome Parks referenced in Section 101.11.8.3 of this code..

3. See Health and Safety Code Section 18862.1 “approved” as applied to Special Occupancy Parks as referenced in Section 101.11.8.3 of this code.

Assembly Building [Not adopted by HCD] is a building or a portion of a building used for the gathering together of fifty (50) or more persons for such purposes as deliberation, education, instruction, worship, entertainment, amusement, drinking, dining or awaiting transportation.

Exception: Assembly Building [For HCD 1 & HCD 2] Refer to the California Building Code, Title 24, Part 2 for use and occupancy classification.

AUTHORITY HAVING JURISDICTION [Not adopted by HCD] The organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, installations, or procedures. The authority having jurisdiction shall be a federal, state, local or other regional department or an individual such as a plumbing official; mechanical official; labor department official; health department official; building official or others having statutory authority. In the absence of a statutory authority, the authority having jurisdiction may be some other responsible party. This definition shall include the authority having jurisdiction's duly authorized representative.

AUTHORITY HAVING JURISDICTION [For HCD 1 & HCD 2] See Enforcing Agency.

204.0

-B-

Building [For HCD 1 & HCD 2] *Health and Safety Code Section 17920(b) is repeated here for clarity and reads as*

follows:

Section 17920(b). "Building" means a structure subject to this part.

BUILDING CODE [Not adopted by HCD] is the building code that is adopted by this jurisdiction.

Exception: BUILDING CODE [For HCD 1 & HCD 2] Whenever the term "Building Code" is used in this code, it shall mean the California Building Code, Title 24, Part 2.

BUILDING OFFICIAL [Not adopted by HCD]. See Authority Having Jurisdiction.

Exception: BUILDING OFFICIAL [For HCD 1 & HCD 2] "Building Official" shall be the "Enforcing Agency" as specified in the appropriate subsections of Section 108.1.1 of this code.

206.0

-D-

Department [For HCD 1 & HCD 2] Health and Safety Code Section 17920(d) is repeated here for clarity and reads as follows:

Section 17920(d). "Department" means the Department of Housing and Community Development.

DWELLING [Not adopted by HCD] is a building or portion thereof that contains not more than two dwelling units.

Exception: DWELLING [For HCD 1 & HCD 2] Refer to the California Building Code, Title 24, Part 2, for the definition of "dwelling."

DWELLING UNIT [Not adopted by HCD] is a building or portion thereof which contains living facilities, including provisions for sleeping, eating, cooking and sanitation, as required by this code, for not more than one family.

Exception: DWELLING UNIT [For HCD 1 & HCD 2] Refer to the California Building Code, Title 24, Part 2, for the definition of "dwelling unit."

207.0

-E-

ELECTRICAL CODE [Not adopted by HCD] is the National Electrical Code promulgated by the National Fire Protection Association, as adopted by this jurisdiction.

Exception: ELECTRICAL CODE [For HCD 1 & HCD 2] Whenever the term "Electrical Code" is used in this code, it shall mean the California Electrical Code, Title 24, Part 3.

ENFORCING AGENCY [For HCD 1 & HCD 2] is the designated department or agency as specified in statutes and regulations to enforce the specific building standards promulgated or adopted by the specified state agency.

ENFORCEMENT AGENCY [For HCD 1 & HCD 2] See Enforcing Agency.

208.0

-F-

FIRE CODE [Not adopted by HCD] is the fire code adopted by this jurisdiction.

214.0

-L-

LABELED [Not adopted by HCD] Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization that is acceptable to the authority having jurisdiction and concerned with product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

Labeled [For HCD 1 & HCD 2] Health and Safety Code Section 17920(g) is repeated here for clarity and reads as follows:

Section 17920(g). "Labeled" means equipment or materials to which has been attached a label, symbol or other identifying mark of an organization, approved by the department, that maintains a periodic inspection program of production of labeled products, installations, equipment, or materials and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

LISTED and LISTING [Not Adopted by HCD]

Equipment, materials, or services included in a list published by an organization that is acceptable to the authority having jurisdiction and concerned with evaluation of products or services, that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services, and whose listing states that either the equipment, material, or service meets appropriate designated standards or has been tested and found suitable for specified purpose.

Listed [For HCD 1 & HCD 2] Health and Safety Code Section 17920(h) is repeated here for clarity and reads as follows:

Section 17920(h) "Listed" means all products that appear in a list published by an approved testing or listing agency.

Listing Agency [For HCD 1 & HCD 2] Health and Safety Code Section 17920(l) is repeated for clarity and reads as follows:

Section 17920(i). "Listing agency" means an agency approved by the department that is in the business of listing and labeling products, materials, equipment, and installations tested by an approved testing agency, and that maintains a periodic inspection program on current production of listed products, equipment, and installations, and that, at least annually, makes available a published report of these listings.

216.0

-N-

Nuisance [For HCD 1 & HCD 2] Health and Safety Code Section 17920(k) is repeated for clarity and reads as follows:

Section 17920(k). "Nuisance" means any nuisance defined pursuant to Part 3 (commencing with Section 3479) of Division 4 of the Civil Code, or any other form of nuisance recognized at common law or in equity.

217.0

-O-

OCCUPANCY CLASSIFICATION. For the purpose of this code, certain occupancies are defined as follows:

Note: [For HCD 1 & HCD 2] The Occupancy Classification requirements are adopted as amended by the State Fire Marshal. See Section 103.1.4 of this Code if there is a conflict.

Group A Occupancies

Group A Occupancies include the use of a building or structure, or a portion thereof, for the gathering together of fifty (50) or more persons for purposes such as civic, social or religious functions, recreation, education or instruction, food or drink consumption, or awaiting transportation. A room or space used for assembly purposes

by less than fifty (50) persons and accessory to another occupancy shall be included as a part of that major occupancy. Assembly occupancies shall include the following:

Division 1. A building or portion of a building having an assembly room with an occupant load of 1,000 or more and a legitimate stage.

Division 2. A building or portion of a building having an assembly room with an occupant load of less than 1,000 and a legitimate stage.

Division 2.1. A building or portion of a building having an assembly room with an occupant load of 300 or more without a legitimate stage, including such buildings used for educational purposes and not classed as a Group B or E Occupancy.

Division 3. A building or portion of a building having an assembly room with an occupant load of less than 300 without a legitimate stage, including such buildings used for educational purposes and not classed as a Group B or E Occupancy.

Division 4. Stadiums, reviewing stands and amusement park structures not included within other Group A Occupancies. Specific and general requirements for grandstands, bleachers and reviewing stands are in the Building Code.

Exception: Amusement buildings, or portions thereof, which are without walls or a roof and constructed to prevent the accumulation of smoke in assembly areas.

Group B Occupancies

Group B Occupancies shall include buildings, structures, or portions thereof, for office, professional or service-type transactions, which are not classified as Group H Occupancies. Such occupancies include occupancies for the storage of records and accounts and eating and drinking establishments with an occupant load of less than fifty (50).

Group E Occupancies

Division 1. Any building used for educational purposes through the 12th grade by fifty (50) or more persons for more than twelve (12) hours per week or four hours in any one-day.

Division 2. Any building used for educational purposes through the 12th grade by less than fifty (50) persons for more than twelve (12) hours per week or four hours in any one-day. **Division 3.** Any building or portion thereof used for day-care purposes for more than six persons.

Group F Occupancies

Group F Occupancies shall include the use of a building or structure, or a portion thereof, for assembling, disassembling, fabricating, finishing, manufacturing, packaging, repair or processing operations that are not classified as Group H Occupancies.

Division 1. Moderate-hazard factory and industrial occupancies shall include factory and industrial uses, which are not classified as Group F, Division 2 Occupancies.

Division 2. Low-hazard factory and industrial occupancies shall include facilities producing noncombustible or nonexplosive materials, which, during finishing, packing or processing, do not involve a significant fire hazard.

Group H Occupancies

Group H Occupancies shall include buildings or structures, or portions thereof, that involve the manufacturing, processing, generation or storage of materials that constitute a high fire, explosion or health hazard. For definitions, identification and control of hazardous materials and pesticides, and the display of nonflammable solid and nonflammable or noncombustible liquid hazardous materials in Group B, F, M or S Occupancies, see the Fire Code.

Division 1. Occupancies with a quantity of material in the building in excess of those listed in the Building Code, which present a high explosion hazard.

Division 2. Occupancies where combustible dust is manufactured used or generated in such a manner that concentrations and conditions create a fire or explosion potential. Occupancies with a quantity of material in the building in excess of those listed in the Building Code, which present a moderate explosion hazard or a hazard from accelerated burning.

Division 3. Occupancies where flammable solids, other than combustible dust, are manufactured, used or generated.

Division 4. Repair garages not classified as Group S, Division 3 Occupancies.

Division 5. Aircraft repair hangars and heliports not classified as Group S, Division 5 Occupancies.

Division 6. Semiconductor fabrication facilities and comparable research and development areas in which hazardous production materials (HPM) are used and the aggregate quantity of materials is in excess of those listed in the Building Code.

Division 7. Occupancies having quantities of materials in excess of those listed in the Building Code, which are health hazards.

Group I Occupancies

Division 1.1. Nurseries for the full-time care of children under the age of six (each accommodating more than five children), Hospitals, sanitariums, nursing homes with non-ambulatory patients, and similar buildings (each accommodating more than five patients).

Division 1.2. Health care centers for ambulatory patients receiving outpatient medical care which may render the patient incapable of unassisted self-preservation (each tenant space accommodating more than five such patients).

Division 2. Nursing homes for ambulatory patients, homes for children six years of age or over (each accommodating more than five patients or children).

Division 3. Mental hospitals, mental sanitariums, jails, prisons, reformatories and buildings where personal liberties of inmates are similarly restrained.

Group M Occupancies

Group M Occupancies shall include buildings, structures, or portions thereof, used for the display and sale of merchandise, and involving stocks of goods, wares or merchandise, incidental to such purposes and accessible to the public.

Group R Occupancies

Division 1. Hotels and apartment houses. Congregate residences (each accommodating more than ten (10) persons).

Division 2. Not used.

Division 3. Dwellings and lodging houses. Congregate residences (each accommodating ten (10) persons or less).

Group S Occupancies

Group S Occupancies shall include the use of a building or structure, or a portion thereof, for storage not classified as a hazardous occupancy.

Division 1. Moderate-hazard storage occupancies shall include buildings or portions of buildings used for storage of combustible materials that are not classified as Group S, Division 2 or Group H Occupancies.

Division 2. Low-hazard storage occupancies shall include buildings, structures, or portions thereof, used for storage of noncombustible materials such as products on wood pallets or in paper cartons with or without single-thickness divisions, or in paper wrappings, and shall include ice plants, power plants and pumping plants.

Division 3. Occupancies shall include repair garages where work is limited to exchange of parts and maintenance requiring no open flame or welding, motor vehicle fuel-dispensing stations, and parking garages not classed as Group S, Division 4 open parking garages or Group U private garages.

Division 4. Open parking garages.

Division 5. Aircraft hangars where work is limited to exchange of parts and maintenance requiring no open flame or welding, and helistops.

Group U Occupancies

Division 1. Private garages, carports, sheds and agricultural buildings.

Division 2. Fences over six feet (1829 mm) high, tanks and towers.

218.0

-P-

PLUMBING CODE *[Not adopted by HCD]* is the Uniform Plumbing Code promulgated by the International Association of Plumbing and Mechanical Officials as adopted by this jurisdiction.

Exception: **PLUMBING CODE** *[For HCD 1 & HCD 2]* Whenever the term "Plumbing Code" is used in this code, it shall mean the California Plumbing Code, Title 24, Part 5.

222.0

-T-

Testing Agency [For HCD 1 & HCD 2] Health and Safety Code Section 17920(m) is repeated for clarity and reads as follows:

Section 17920(m). "Testing agency" means an agency approved by the department as qualified and equipped for testing of products, materials, equipment, and installations in accordance with nationally recognized standards.

223.0

-U-

UMC [For HCD 1 & HCD 2] is the most recent edition of the Uniform Mechanical Code published by the International Association of Plumbing and Mechanical Officials.

UMC Standards [For HCD 1 & HCD 2] are the Uniform Mechanical Code Standards listed in Appendix A of the most recent edition of the Uniform Mechanical Code published by the International Association of Plumbing and Mechanical Officials.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997.

* * *

(END OF ITEM)

ITEM 15-14
HCD 02/04
Part 4

APPROVED

CHAPTER 3 - GENERAL REQUIREMENTS

Note: Adopt entire chapter as amended.

304.7 [For HCD 1 & HCD 2] Liquefied Petroleum Gas Appliances. Liquefied petroleum gas-burning appliances shall not be installed in a pit, basement or similar location where heavier-than-air gas might collect. Appliances so fueled shall not be installed in an above-grade under-floor space or basement unless such location is provided with an approved means for removal of unburned gas.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997.

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(END OF ITEM)

ITEM 15-15
HCD 02/04
Part 4

APPROVED

CHAPTER 4 - VENTILATION AIR SUPPLY

Note: Adopt entire chapter without amendments.

CHAPTER 5 - EXHAUST SYSTEMS

Note: Adopt entire chapter without amendments.

Note:

Authority: Health and Safety Code Sections 17921, 18865.3, 17940 and 18300.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997.

* * *
(END OF ITEM)

ITEM 15-16
HCD 02/04
Part 4

APPROVED

CHAPTER 6 - DUCT SYSTEMS

Note: Adopt entire chapter as amended.

601.2 Sizing Requirements. Duct systems used with blower-type equipment which are portions of a heating, cooling, absorption, evaporative cooling or outdoor air ventilation system shall be sized in accordance with Chapter 17, Part II Referenced Standards or by other approved methods.

Exception: [For HCD 1 & HCD 2] Duct sizing calculations are not required for systems which do not require outside air.

Note:

Authority: Health and Safety Code Sections 17921, 18865.3, 17940 and 18300.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997.

* * *
(END OF ITEM)

ITEM 15-17
HCD 02/04
Part 4

APPROVED

CHAPTER 7 - COMBUSTION AIR

Note: Adopt entire chapter without amendments.

CHAPTER 8 - CHIMNEYS AND VENTS

Note: Adopt entire chapter without amendments.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997.

* * *
(END OF ITEM)

ITEM 15-18
HCD 02/04
Part 4

APPROVE AS AMENDED

CHAPTER 9 - INSTALLATION OF SPECIFIC EQUIPMENT

Note: Adopt entire chapter as amended.

904.1.1 [For HCD 1 & HCD 2] Access A furnace room shall have an opening or door and passageway thereto not less than two (2) feet (610 mm) in width and large enough to permit removal of the largest furnace in such room. The furnace shall be installed so as to permit removal without disturbing piping, conduits, appurtenant valves and junction boxes.

Exceptions:

1. When the furnace room is large enough to permit dismantling the furnace within the room, the access opening and passageway need be large enough only to permit removal of the largest piece of furnace. This exception shall not be construed to waive the requirements of a minimum door and passageway of two (2) feet (610 mm).
2. Access to warm-air furnaces installed in under-floor spaces shall comply with Section 904.12.2.
3. Access to warm-air furnaces installed in an attic or furred space shall comply with Section 904.11.
4. Access to warm-air furnaces installed on a roof or on an outside wall structure shall comply with Section 904.10.

An unobstructed working space not less than thirty (30) inches (762 mm) in depth and the height of the furnace, but not less than thirty (30) inches (762 mm), shall be provided along the entire front or firebox side of every warm-air furnace when the door of the furnace enclosure is open.

Heating system air filters, fuel-control valves, vent collars, air-handling units and externally mounted controls shall be accessible for maintenance, repair and replacement. Access space shall be as specified for cooling equipment in Section 1106.3.

904.1.2 [For HCD 1 and HCD 2] Prohibited Installations. Warm-air furnaces shall not be installed:

904.1.2.1 [For HCD 1 and HCD 2] In a closet or alcove less than twelve (12) inches (305 mm) wider than the furnace or furnaces installed therein with a minimum clear working space less than three (3) inches (76 mm) along the sides, back and top of the furnace.

Exception: Replacement forced-air furnaces or air-conditioning cooling coils may be installed in an existing closet or alcove with lesser width and depth when approved by the Enforcement Agency and provided that such width and depth is in compliance with conditions of listing. Combustion air openings at the rear or side of the closet shall meet the requirements of Chapter 7.

904.1.2.2 [For HCD 1 and HCD 2] In a hazardous location.

904.1.2.3 [For HCD 1 and HCD 2] In an occupancy, unless separated by fire-resistive construction from the rest of the building as required by the special hazards section of the Building Code.

904.1.2.4 [For HCD 1 and HCD 2] In a room used or designed to be used as a bedroom, bathroom, closet or in any enclosed space with access only through such room or space.

Exception: Direct vent furnaces, enclosed furnaces and electric heating furnaces. Access to furnaces located in an attic or under-floor crawl space may be through a closet.

904.1.2.5 [For HCD 1 and HCD 2] Outside of a building unless listed for exterior installation or enclosed in a weatherproof housing complying with Section 904.10.

904.1.2.6 [For HCD 1 and HCD 2] With clearance along the combustion chamber opening side of less than six (6) inches (152 mm) or working space along the entire front or firebox side less than specified in Section 904.1.1.

904.10 Equipment on Roofs [For HCD 1 and HCD 2] or Exterior Walls of Buildings.

904.10.1.2 Roofs on which equipment is to be installed shall be capable of supporting the additional load or shall be reinforced to support the additional load.

[For HCD 1 and HCD 2] A roof or exterior building wall supporting a furnace shall comply with the requirements for roof and wall structures specified in the California Building Code, and the equipment shall be listed or approved for such use.

904.10.1.4 [For HCD 1 and HCD 2] Weather Protection. Unless listed or designed for outside installation, a furnace on the roof of a building shall be enclosed in a penthouse complying with the requirements of the Building Code for roof structures or shall be completely enclosed in a weatherproof housing. The housing, when constructed of metal, shall be of galvanized steel not less than 0.024 inch (0.61 mm) (No. 24 U.S. Standard gauge) or of aluminum not less than No. 22 B.&S. gauge supported on a substantial metal frame. The housing shall be not larger than necessary to

properly cover and provide a minimum six (6) inch (152 mm) clearance around the appliance or appliances enclosed therein, including all controls and draft diverters.

904.10.1.5 [For HCD 1 and HCD 2] Ventilation. An enclosure or penthouse shall be provided with openings complying with the requirements of Chapter 7, together with means for proper ventilation of the furnace draft hood relief openings.

904.10.1.6 [For HCD 1 and HCD 2] Clearance. Clearance of the furnace from combustible construction shall be as specified in Section 304.1.

904.10.3 Access to Equipment on Roofs [For HCD 1 and HCD 2] or Exterior Walls of Buildings.

904.10.3.5 [For HCD 1 and HCD 2] Platform. A furnace located on a roof shall be installed on a substantial level platform. When the roof has a slope greater than four (4) in twelve (12), a level working platform at least thirty (30) inches (762 mm) in depth and width shall be provided along the firebox and control sides of the furnace. Sides of a working platform facing the roof edge below shall be protected by a substantial railing forty-two (42) inches (1067 mm) in height with vertical rails not more than twenty-one (21) inches (533 mm) apart, except that parapets at least twenty-four (24) inches (610 mm) in height may be utilized in lieu of rails or guards.

904.10.3.6 [For HCD 1 and HCD 2] Catwalk. On roofs having slopes greater than four (4) in twelve (12), a catwalk at least twenty-four (24) inches (610 mm) in width with substantial cleats spaced not more than sixteen (16) inches (406 mm) apart shall be provided from the roof access to the working platform at the appliance.

904.10.3.7 [For HCD 1 and HCD 2] Roof Access Scuttle. Required working platforms, railings and catwalks may be omitted when access to the equipment is through a required roof scuttle and all of the following provisions are met:

904.10.3.7.1 [For HCD 1 and HCD 2] The required scuttle is located immediately adjacent to the control side of the equipment unit.

904.10.3.7.2 [For HCD 1 and HCD 2] Controls, filters, burners, fans and motors are accessible for service and repair within two (2) feet (610 mm) of the edge of the equipment platform on the scuttle side.

904.10.3.7.3 [For HCD 1 and HCD 2] The equipment platform is not more than twenty (20) inches (508 mm) above the high side of the scuttle opening.

904.10.3.7.4 [For HCD 1 and HCD 2] A substantial working platform not less than thirty (30) inches (762 mm) in depth and width shall be provided directly below the scuttle at a point not less than thirty (30) inches (762 mm) or more than thirty-two (32) inches (813 mm) below the high side of the scuttle opening.

904.10.3.7.5 [For HCD 1 and HCD 2] Scuttles located on other than the roof incline side of the equipment unit shall have the hatch hinged on the low side of the scuttle. Hatches shall be equipped with means to ensure an opening angle of not less than 90 degrees (1.57 rad) nor more than 100 degrees (1.75 rad) from the closed position. Hatches and hardware, when open, shall be capable of withstanding a 300 pound (1334 N) lateral force from the roof incline side.

904.10.3.7.6 [For HCD 1 and HCD 2] Access to scuttles shall comply with Section 904.11.

904.10.3.8 [For HCD 1 and HCD 2] Access to Equipment. Every furnace installed in or on an exterior wall of a building, which is designed so that the burners or controls must be serviced from outside the building, shall be readily accessible. Furnaces located on the roof of a building shall be readily accessible.

Exceptions:

- 1.** Permanent exterior ladders providing roof access need not extend closer than eight (8) feet (2438 mm) to the finish grade.
- 2.** A portable ladder may be used for access for furnaces on the single-story portion of a Group R or U Occupancy.
- 3.** Permanent ladders for equipment access need not be provided at parapets or walls less than thirty (30) inches (762 mm) in height.

Permanent ladders providing roof access shall:

904.10.3.8.1 [For HCD 1 and HCD 2] Have side railings which extend at least thirty (30) inches (762 mm) above the roof edge or parapet wall.

904.10.3.8.2 [For HCD 1 and HCD 2] Have landings less than eighteen (18) feet (5486 mm) apart measured from the finished grade.

904.10.3.8.3 [For HCD 1 and HCD 2] Be at least fourteen (14) inches (356 mm) in width.

904.10.3.8.4 [For HCD 1 and HCD 2] Have rungs not more than fourteen (14) inches (356 mm) on center.

904.10.3.8.5 [For HCD 1 and HCD 2] Have a minimum of six (6) inch (152 mm) toe space.

904.11.0 Attic Furnaces (Upright and Horizontal)

Upright furnaces may be installed in an attic or furred space more than five (5) feet (1524 mm) in height, provided the required listings and furnace and duct clearances are observed. Horizontal furnaces may be installed in an attic or furred space provided the required listings and furnace and duct clearances are observed.

Clearances of a warm-air attic furnace from combustibles shall be as specified in Section 304.1.

An attic or furred space in which a warm-air furnace is installed shall be accessible by an opening and passageway as large as the largest piece of the furnace and in no case less than thirty (30) inches by thirty (30) inches (762 mm x 762 mm) continuous from the opening to the furnace and its controls.

Exception: The access opening into the space may be twenty-two (22) inches by thirty (30) inches (559 mm x 762 mm), provided the largest piece of equipment can be removed through the opening.

The distance from the passageway access to furnace shall not exceed twenty (20) feet (6096 mm) measured along the center line of the passageway. The passageway shall be unobstructed and shall have continuous solid flooring not less than twentyfour (24) inches (610 mm) wide from the entrance opening to the furnace.

A level working platform not less than thirty (30) inches (762 mm) in depth and width shall be provided in front of the entire firebox side of the warm-air furnace, and if the furnace temperature-limit control, air filter, fuel-control valve, vent collar or air-handling unit is not serviceable from the firebox side of the furnace, a continuous floor not less than twenty-four (24) inches (610 mm) in width shall be provided from the platform in front of the firebox side of the furnace to and in front of this equipment.

Exception: A working platform need not be provided when the furnace can be serviced from the required access opening.

A permanent electric outlet and lighting fixture controlled by a switch located at the required passageway opening shall be provided at or near the furnace.

904.12 [For HCD 1 and HCD 2] Warm-Air Furnaces Located in Under-Floor Spaces.

A warm-air furnace installed in the under-floor area of a building shall comply with the following requirements:

904.12.1 [For HCD 1 and HCD 2] Clearance from combustibles shall be as specified in Section 304.1.

904.12.2 [For HCD 1 and HCD 2] An access opening and passageway of a height and width sufficient to permit removal of the furnace, but in no case less than thirty (30) inches by thirty (30) inches (762 mm x 762 mm), shall be provided to the working space in front of the furnace. The access opening to the passageway shall be through an opening in an exterior wall of the building or through a trap door within the building. The distance from the passageway access to the center line of the working space in front of the furnace burner shall not exceed twenty (20) feet (6096 mm) measured along the center line of the passageway.

904.12.3 [For HCD 1 and HCD 2] A furnace supported from the ground shall rest on a concrete slab extending not less than three (3) inches (76 mm) above the adjoining ground level.

904.12.4 [For HCD 1 and HCD 2] The lowest portion of a suspended furnace shall have a clearance of at least six (6) inches (152 mm) from the ground. Excavation necessary to install a furnace shall extend to a depth of six (6) inches (152mm) below and twelve (12) inches (305 mm) on all sides of the furnace, except the control side, which shall have thirty (30) inches (762 mm). If the depth of the excavation for either furnace or passageway exceeds twelve (12) inches (305 mm), walls of the excavation shall be lined with concrete or masonry extending four (4)

inches (102 mm) above the adjoining ground level. In floodplain areas the entire crawl space grade or height shall provide twelve (12) inch (305 mm) clearance between the bottom of the furnace and the ground.

904.12.5 [For HCD 1 and HCD 2] A permanent electric outlet and lighting fixture controlled by a switch located at the passageway opening shall be provided at or near the furnace.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997.

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(END OF ITEM)

ITEM 15-19
HCD 02/04
Part 4

APPROVED

CHAPTER 10 - STEAM AND HOT WATER BOILERS

Note: Adopt entire chapter without amendments.

CHAPTER 11 - REFRIGERATION

Note: Adopt entire chapter without amendments.

CHAPTER 12 - HYDRONICS

Note: Adopt entire chapter as amended.

1201.3.5.2 Cutting Structure. Structural members shall not be seriously weakened or impaired by cutting or notching. **[For HCD 1 & HCD 2]** Structural modifications shall be made in compliance with the California Building Code, Title 24, Part 2.

CHAPTER 13 - FUEL PIPING

Note: Adopt entire chapter without amendments.

CHAPTER 14 - PROCESS PIPING

Note: This chapter is not adopted.

CHAPTER 15 - SOLAR SYSTEMS

Note: Adopt only the sections listed below.

~~4590~~ **1502.0 [For HCD 1 & HCD 2] General.** Health and Safety Code Section 17959.1, is repeated here for clarity and reads as follows:

Section 17959.1. No local ordinance enacted pursuant to this chapter shall have the effect of prohibiting or of unreasonably restricting the use of solar energy systems, other than for the preservation of the public health and safety. The provisions of this section shall apply to charter cities.

This section shall not apply to ordinances which impose reasonable restrictions on solar energy systems. However, it is the policy of the state to promote and encourage the use of solar energy systems and to remove obstacles thereto. Accordingly, reasonable restrictions on a solar energy system are those restrictions which do not significantly increase the cost of the system or significantly decrease its efficiency, or which allow for an alternative system of comparable cost and efficiency.

As used in this section, "solar energy system" shall be defined as set forth in Section 801.5 of the Civil Code.

~~4594~~ **1503.0 [For HCD 1 & HCD 2]** Civil Code Section 801.5, is repeated here for clarity and reads as follows:

Section 801.5. (a) *The right of receiving sunlight as specified in subdivision 18 of Section 801 shall be referred to as a solar easement. "Solar easement" means the right of receiving sunlight across real property of another for any solar energy system. As used in this section, "solar energy system" means either of the following:*

(1) Any solar collector or other solar energy device whose primary purpose is to provide for the collection, storage, and distribution of solar energy for space heating, space cooling, electric generation, or water heating.

(2) Any structural design feature of a building, whose primary purpose is to provide for the collection, storage, and distribution of solar energy for electricity generation, space heating or cooling, or for water heating.

(b) *Any instrument creating a solar easement shall include, at a minimum, all of the following:*

(1) A description of the dimensions of the easement expressed in measurable terms, such as vertical or horizontal angles measured in degrees, or the hours of the day on specified dates during which direct sunlight to a specified surface of a solar collector, device, or structural design feature may not be obstructed, or a combination of these descriptions.

(2) The restrictions placed upon vegetation, structures, and other objects that would impair or obstruct the passage of sunlight through the easement.

(3) The terms or conditions, if any, under which the easement may be revised or terminated.

CHAPTER 16 - STATIONARY FUEL CELL POWER PLANTS

Note: Adopt entire chapter without amendments.

CHAPTER 17 - STANDARDS

Note: Adopt entire chapter without amendments.

APPENDIX A, UNIFORM MECHANICAL CODE STANDARDS 6-2 and 6-5

Note: Adopt entire Appendix A without amendments.

APPENDIX B, PROCEDURES TO BE FOLLOWED TO PLACE GAS EQUIPMENT IN OPERATION

Note: This Appendix is not adopted.

APPENDIX C, INSTALLATION AND TESTING OF OIL (LIQUID) FUEL-FIRED EQUIPMENT

Note: This Appendix is not adopted.

APPENDIX D, UNIT CONVERSION TABLES

Note: Adopt entire Appendix D without amendments.

Note:

Authority: Health and Safety Code sections 17921, 18865.3, 17940 and 18300.

Reference: Health and Safety Code sections 17000-17060, 17910-17990, 18000-18700, 18860-18874 and 19960-19997.

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(END OF ITEM)

Part 5

California Plumbing

Code

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EXPRESS TERMS

ITEM 16-1
BSC 03/04
Part 5

INCOMPLETE

ITEM 17-1
OSHDP 05/04
Part 5

WITHDRAW PROPOSED ADOPTION OF THE 2003 UPC AND ADOPT SECTION 101.4.1.4.2 OF CHAPTER 1
OF THE 2001 CALIFORNIA PLUMBING CODE AS FOLLOWS: APPROVED AS AMENDED

*101.4.1.4.2 **[OSHDP 1,2 3 & 4] Conflict Between Codes.** When the requirements of this code conflict with the requirements of the California Mechanical Code, Title 24, Part 4, the California Mechanical Code shall prevail.*

ITEM 18-1
SFM 02/04
Part 5

WITHDRAWN

ITEM 19-1
DSA SS 03/04
Part 5

INCOMPLETE

ITEM 20-1
HCD 01/04
Part 5

WITHDRAWN

ITEM 21-1
DSA AC 03/04
Part 5

WITHDRAWN

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